

## Midville, Georgia: Cotton Strains Performance, 2006, Irrigated

Variety	Lint Yield lb/acre	Uniformity			Strength* g/tex	Micronaire* units
		Lint %	Index* %	Length* inches		
<u>Earlier Maturity</u>						
FMX0643B2F	<b>2112</b>	43.6	83.9	1.20	32.2	4.4
DX34909	<b>2086</b>	43.2	84.4	1.19	29.5	5.0
FMX06451LLB2	<b>2065</b>	43.3	83.9	1.18	32.0	4.5
DX34102-17	<b>2029</b>	44.6	84.4	1.21	29.6	4.5
ST5283RF	<b>2014</b>	43.0	83.3	1.17	29.4	4.0
GA2004263	<b>1964</b>	46.2	84.2	1.17	31.1	4.6
GA2004303	<b>1912</b>	43.9	83.2	1.17	30.3	4.4
ST5327B2RF	<b>1888</b>	42.4	83.9	1.15	29.1	4.2
GA2004232	1823	45.6	84.5	1.21	31.2	4.3
DX34109-5	1745	45.5	84.5	1.20	31.9	4.2
DX44708	1717	43.0	83.8	1.20	28.5	4.2
xBCG-6950B2F	1530	38.6	84.6	1.18	30.2	4.4
xBCG-3220B2F	1487	38.5	83.9	1.15	31.2	4.1
xBCG-3552B2F	1454	38.3	82.3	1.19	30.4	3.5
xBCG-3001B2F	1344	39.8	82.2	1.17	29.8	3.6
<i>Average</i>	<i>1811</i>	<i>42.6</i>	<i>83.8</i>	<i>1.18</i>	<i>30.4</i>	<i>4.3</i>
<u>Later Maturity</u>						
GA2004392	<b>1945</b>	42.6	86.0	1.16	32.5	4.9
GA2004356	<b>1938</b>	45.6	84.4	1.18	32.4	4.6
CS47	<b>1914</b>	42.7	84.4	1.19	31.2	4.3
GA2004371	1765	46.3	84.3	1.18	30.9	4.7
FM 1800LL	1757	43.2	83.5	1.15	32.1	4.4
FM 1880B2F	1751	41.7	82.2	1.18	29.8	3.7
CS48	1723	40.8	83.5	1.14	29.8	4.0
CS46	1700	40.6	84.0	1.18	31.0	4.4
CS51RF	1662	39.9	83.3	1.20	33.2	3.9
<i>Average</i>	<i>1795</i>	<i>42.6</i>	<i>84.0</i>	<i>1.17</i>	<i>31.4</i>	<i>4.3</i>
<i>Overall test averages and statistics:</i>						
<i>Average</i>	<i>1805</i>	<i>42.6</i>	<i>83.8</i>	<i>1.18</i>	<i>30.8</i>	<i>4.3</i>
LSD 0.10	248	1.0	1.0	N.S. <sup>1</sup>	1.4	0.3
CV %	11.7	2.0	0.7	2.06	2.6	4.2

\* 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: May 1, 2006.

Harvested: September 26, 2006.

Soil Type: Dothan sandy loam.

Fertilization: 103 lb N, 50 lb P<sub>2</sub>O<sub>5</sub>, and 75 lb K<sub>2</sub>O/acre.

Management: Temik 15G applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.
Rainfall (in):	1.62	5.85	1.12	2.00	1.58
Irrigation (in):	0.75	1.50	3.75	1.50	0.0

Trials conducted by Larry Thompson and Rick Jackson.