

Plains, Georgia: Cotton Strains Performance, 2006, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
<u>Earlier Maturity</u>						
GA2004232	1985	46.5	84.3	1.24	31.6	3.6
FMX06451LLB2	1984	42.1	83.6	1.16	29.3	4.6
DX34909	1809	43.8	85.8	1.24	28.1	4.9
GA2004303	1792	42.6	83.4	1.17	29.6	4.7
FMX0643B2F	1717	41.4	83.6	1.20	30.4	4.0
DX34109-5	1660	45.3	85.2	1.23	31.3	4.8
DX34102-17	1651	43.9	85.2	1.22	29.6	4.8
GA2004263	1578	46.5	84.8	1.18	28.5	4.8
DX44708	1575	43.7	83.7	1.20	27.3	4.5
xBCG-3001B2F	1416	39.0	81.9	1.18	27.1	3.6
xBCG-3220B2F	1411	37.7	83.0	1.14	29.9	4.3
xBCG-6950B2F	1380	38.5	83.6	1.16	26.6	4.5
xBCG-3552B2F	1326	39.1	81.6	1.13	26.9	3.8
ST5283RF	1258	41.9	84.5	1.15	28.3	4.5
ST5327B2RF	1256	42.1	82.5	1.12	27.3	4.4
<i>Average</i>	<i>1586</i>	<i>42.3</i>	<i>83.8</i>	<i>1.18</i>	<i>28.8</i>	<i>4.4</i>
<u>Later Maturity</u>						
GA2004371	1980	45.9	85.0	1.22	30.9	4.9
GA2004392	1748	41.5	85.2	1.19	30.8	4.9
GA2004356	1703	43.8	85.9	1.22	30.6	4.6
FM 1880B2F	1634	40.6	81.8	1.17	28.1	4.0
FM 1800LL	1584	43.2	84.9	1.17	29.9	4.4
CS51RF	1452	38.6	83.3	1.21	30.4	4.0
CS48	1238	40.0	84.2	1.12	27.7	4.6
CS47	1193	41.0	83.1	1.13	28.3	4.4
CS46	1169	41.4	84.3	1.14	30.7	4.9
<i>Average</i>	<i>1522</i>	<i>41.8</i>	<i>84.2</i>	<i>1.17</i>	<i>29.7</i>	<i>4.5</i>
<i>Overall test averages and statistics:</i>						
Average	1562	42.1	83.9	1.18	29.1	4.4
LSD 0.10	170	0.9	0.9	0.03	1.5	0.3
CV %	9.2	1.8	0.6	1.50	3.1	4.1

* 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 2, 2006.

Harvested: October 9, 2006.

Soil Type: Greenville sandy loam.

Fertilization: 86 lb N, 88 lb P₂O₅, and 16 lb K₂O/acre.

Management: Temik 15G applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	3.40	1.49	5.20	9.95	2.40	4.58
Irrigation (in):	0.70	1.70	2.00	0.0	0.0	0.0

Trials conducted by Larry Thompson and Ronnie Pines.