

## Midville, Georgia: Earlier Maturity Cotton Strains Performance, 2004, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage <sup>1</sup> %
FM960BR	<b>1802</b>	41.7	85.6		1.15	37.7	5.0	2
GA2002113	<b>1662</b>	42.6	85.8		1.23	35.3	5.0	1
DELTAPEARL	<b>1632</b>	41.9	86.2		1.23	34.4	5.0	2
GA2002207	1601	44.3	87.0		1.22	33.8	5.1	2
DP432RR	1575	42.1	86.1		1.17	31.4	5.1	2
GA2003156	1571	43.2	86.5		1.23	37.7	5.1	1
GA2001167	1456	41.3	86.8		1.22	34.9	5.3	2
98-99WDNE	1440	39.6	86.9		1.19	40.5	5.0	2
DP444BG/RR	1432	43.3	86.1		1.19	30.9	4.6	5
DX99197	1375	39.7	84.9		1.17	36.6	5.2	3
Average	1555	41.9	86.1		1.20	35.3	5.0	2
LSD 0.10	187	0.8	N.S. <sup>2</sup>		0.04	2.0	0.2	N.S.
CV %	10.0	1.6	0.7		1.65	3.1	2.6	84

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 P<sub>2</sub>O<sub>5</sub>, and 75 lb K<sub>2</sub>O/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: Earlier Maturity Cotton Strains Performance, 2004, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage <sup>1</sup> %
GA2003156	<b>1614</b>	42.9	85.7		1.19	33.7	5.0	5
DELTAPEARL	<b>1490</b>	41.2	86.0		1.22	33.4	4.9	8
FM960BR	<b>1485</b>	39.8	83.1		1.10	36.9	4.8	4
DX99197	1416	39.6	84.6		1.16	36.4	4.9	14
GA2002113	1345	40.5	85.8		1.20	33.2	4.7	9
GA2002207	1329	42.4	85.5		1.18	32.6	4.7	10
DP432RR	1280	40.0	85.7		1.17	30.8	4.6	14
GA2001167	1247	40.5	84.7		1.18	34.3	4.6	6
DP444BG/RR	1245	42.9	84.2		1.12	30.3	4.4	29
98-99WDNE	1177	39.1	83.4		1.12	38.2	4.9	7
Average	1363	40.9	84.9		1.16	34.0	4.7	10
LSD 0.10	179	1.3	N.S. <sup>2</sup>		0.03	3.2	N.S.	5
CV %	10.9	2.7	1.16		1.55	5.1	4.1	39

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: May 5, 2004.

Harvested: October 13, 2004.

Soil Type: Greenville sandy loam.

Fertilization: 90 lb N, 80 lb P<sub>2</sub>O<sub>5</sub>, and 80 lb K<sub>2</sub>O/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: Earlier Maturity Cotton Strains Performance, 2004, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage <sup>1</sup> %
GA2002207	<b>1382</b>	45.4	84.1		1.16	33.3	4.8	13
GA2003156	<b>1353</b>	43.8	84.6		1.19	34.2	4.6	9
FM960BR	<b>1306</b>	41.4	83.8		1.12	35.9	4.8	8
GA2002113	<b>1281</b>	43.3	85.4		1.21	31.9	4.5	13
DP432RR	1259	42.5	83.7		1.13	29.5	4.8	11
DELTAPEARL	1251	42.0	84.7		1.19	33.7	4.7	10
GA2001167	1170	42.5	85.1		1.19	34.1	4.6	11
DP444BG/RR	1129	43.3	84.4		1.14	29.2	4.1	15
DX99197	1040	41.1	83.3		1.13	36.0	4.6	9
98-99WDNE	1029	40.9	84.4		1.16	35.6	4.7	5
Average	1220	42.6	84.3		1.16	33.3	4.6	10
LSD 0.10	118	1.2	1.1		0.03	2.2	0.3	3
CV %	8.1	2.4	0.7		1.22	3.6	3.4	24

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: April 28, 2004.

Harvested: September 20, 2004.

Soil Type: Tifton loamy sand.

Fertilization: 98 lb N, 54 lb P<sub>2</sub>O<sub>5</sub>, and 188 lb K<sub>2</sub>O/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 Earlier Maturity Cotton Strains, 2004, Irrigated

Variety	Lint Yield <sup>a</sup>				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
	----- lb/acre -----								
FM960BR	<b>1802</b> <sup>1</sup>	<b>1485</b> <sup>3</sup>	<b>1306</b> <sup>3</sup>	<b>1531</b> <sup>1</sup>	40.9	84.1	1.12	36.8	4.8
GA2003156	1571 <sup>6</sup>	<b>1614</b> <sup>1</sup>	<b>1353</b> <sup>2</sup>	<b>1513</b> <sup>2</sup>	43.3	85.6	1.20	35.2	4.9
DELTAPEARL	<b>1632</b> <sup>3</sup>	<b>1490</b> <sup>2</sup>	1251 <sup>6</sup>	<b>1458</b> <sup>3</sup>	41.7	85.6	1.21	33.8	4.9
GA2002207	1601 <sup>4</sup>	1329 <sup>6</sup>	<b>1382</b> <sup>1</sup>	<b>1437</b> <sup>4</sup>	44.0	85.5	1.18	33.2	4.8
GA2002113	<b>1662</b> <sup>2</sup>	1345 <sup>5</sup>	<b>1281</b> <sup>4</sup>	<b>1429</b> <sup>5</sup>	42.1	85.7	1.21	33.5	4.7
DP432RR	1575 <sup>5</sup>	1280 <sup>7</sup>	1259 <sup>5</sup>	1372 <sup>6</sup>	41.5	85.2	1.16	30.6	4.8
GA2001167	1456 <sup>7</sup>	1247 <sup>8</sup>	1170 <sup>7</sup>	1291 <sup>7</sup>	41.4	85.5	1.19	34.5	4.8
DX99197	1375 <sup>10</sup>	1416 <sup>4</sup>	1040 <sup>9</sup>	1277 <sup>8</sup>	40.1	84.3	1.15	36.3	4.9
DP444BG/RR	1432 <sup>9</sup>	1245 <sup>9</sup>	1129 <sup>8</sup>	1268 <sup>9</sup>	43.1	84.9	1.15	30.1	4.4
98-99WDNE	1440 <sup>8</sup>	1177 <sup>10</sup>	1029 <sup>10</sup>	1215 <sup>10</sup>	39.8	84.9	1.16	38.1	4.9
Average	1555	1363	1220	1379	41.8	85.1	1.17	34.2	4.8
LSD 0.10	187	179	118	118	0.8	1.0	0.02	1.2	0.2
CV %	10.0	10.9	8.1	9.9	2.3	0.9	1.49	4.0	3.4

<sup>a</sup> 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).