

Athens, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage ¹ %
DP 445 BG/RR	1424	42.6	84.1		1.1	27.4	5.3	0
DP 455 BG/RR	1352	44.7	84.4		1.12	33.6	4.9	0
FM960BR	1280	42.0	84.3		1.10	36.6	5.3	0
DP449BG/RR	1274	41.0	84.5		1.11	32.0	5.4	0
DP444BG/RR	1224	44.0	84.7		1.11	29.1	5.1	0
ST 4646B2R	1215	42.4	82.6		1.08	32.6	5.4	0
ST 4575BR	1203	41.9	84.5		1.12	28.7	5.5	0
ST 4892BR	1190	44.2	84.1		1.07	30.6	6.1	0
FM960B2R	1189	42.4	84.6		1.14	34.8	5.4	0
ST 3636B2R	1177	42.4	83.0		1.10	28.6	5.5	0
DP393	1145	42.8	84.7		1.12	33.0	5.7	0
ST 5242BR	1136	42.9	83.8		1.08	27.5	5.5	0
ST 4686R	1127	42.6	84.1		1.10	28.0	5.6	0
FM960R	1104	42.8	83.4		1.12	34.6	5.1	0
DP434RR	1085	42.5	85.3		1.17	27.8	5.2	0
DP451B/RR	1065	38.1	84.6		1.15	30.5	5.5	0
DP432RR	1058	42.8	84.8		1.09	30.6	5.8	0
DP424BII/R	1017	38.6	84.5		1.10	29.1	5.3	0
GA2002212	995	44.7	84.6		1.15	33.4	5.6	0
FM958LL	993	42.6	84.4		1.09	35.2	5.6	0
BCG295	942	40.2	84.3		1.13	32.4	5.4	0
DP436RR	923	37.8	84.6		1.15	27.6	5.5	0
SG215BG/RR	917	41.2	83.8		1.07	27.9	5.6	0
GA200035	915	43.5	85.8		1.16	33.3	5.5	0
GA200036	915	43.5	85.0		1.14	34.0	5.5	0
BCG28R	899	42.3	84.6		1.14	29.9	5.6	0
PHY410RR	896	40.7	83.4		1.08	29.9	5.3	0
FM966LL	885	39.9	84.2		1.12	33.1	5.3	0
GA2002167	883	44.6	84.5		1.15	34.2	5.2	0
GA2002211	876	42.6	84.6		1.11	33.2	5.5	0
OAX303	854	44.3	83.4		1.09	30.0	5.7	0
DELTAPEARL	830	40.0	84.7		1.18	32.9	5.5	0
Average	1062	42.1	84.3		1.11	31.3	5.4	0
LSD 0.10	151	0.8	N.S. ²		0.04	2.2	0.3	-
CV %	12.1	1.6	0.9		2.14	4.1	3.0	-

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 12, 2004.

Harvested: October 26, 2004.

Soil Type: Applying coarse sandy loam.

Fertilization: 104 lb N, 28 lb P₂O₅, and 56 lb K₂O/acre.

Management: Temik 15G applied 3 lb/acre.

	May	June	July	Aug.	Sept.
Rainfall (in):	3.59	7.16	4.15	3.48	13.82

Trials conducted by Larry Thompson, R. Smith, and Don Day.

Midville, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength g/tex	Micronaire units	Storm
			Index %	Length inches			Damage ¹ %
DP 455 BG/RR	991	42.8	85.0	1.16	35.7	5.1	3
FM960BR	878	40.7	85.4	1.16	40.4	5.3	2
OAX303	861	41.7	85.0	1.13	33.5	5.7	2
GA2002212	846	42.3	86.0	1.17	38.5	5.6	2
ST 4575BR	830	40.1	85.5	1.13	35.9	5.6	2
SG215BG/RR	796	40.7	84.3	1.09	30.4	5.8	1
FM960B2R	775	40.5	86.8	1.22	37.6	5.2	1
DELTAPEARL	759	39.9	86.1	1.20	35.1	5.4	2
GA2002167	753	42.4	86.1	1.20	38.1	5.3	2
ST 4686R	744	40.8	85.8	1.17	32.1	5.5	2
BCG28R	742	41.0	85.6	1.16	33.3	5.6	2
GA2002211	719	41.9	85.4	1.19	36.0	5.4	2
GA200036	701	42.1	86.1	1.15	38.9	5.5	2
DP449BG/RR	698	39.5	85.1	1.17	39.8	5.4	2
DP 445 BG/RR	687	40.9	85.6	1.16	35.2	5.1	2
PHY410RR	678	39.4	86.9	1.16	36.1	5.3	1
DP444BG/RR	676	41.8	86.3	1.16	31.4	5.0	3
ST 3636B2R	675	40.8	85.2	1.16	34.0	5.6	2
ST 4892BR	673	42.9	85.5	1.12	36.1	5.7	2
ST 5242BR	671	40.2	85.2	1.14	33.0	5.2	3
FM960R	664	42.0	85.8	1.18	40.3	5.1	1
GA200035	663	41.3	86.1	1.17	38.0	5.3	2
FM958LL	648	40.9	86.6	1.18	38.9	5.6	3
DP424BII/R	620	37.3	84.7	1.15	33.8	5.3	2
DP432RR	619	41.5	86.0	1.15	35.8	5.7	2
DP436RR	614	35.5	86.1	1.17	31.5	5.6	1
FM966LL	591	39.1	86.0	1.17	40.9	5.3	2
DP434RR	580	42.5	86.7	1.21	31.1	5.2	2
DP393	572	41.2	86.7	1.18	35.4	5.4	2
ST 4646B2R	567	40.1	85.3	1.15	32.9	5.4	2
BCG295	565	38.0	85.4	1.21	36.8	5.4	1
DP451B/RR	528	35.8	86.0	1.17	33.3	5.5	2
Average	700	40.5	85.7	1.16	35.6	5.4	2
LSD 0.10	133	0.6	1.0	0.02	2.0	0.3	1
CV %	16.2	1.3	0.7	1.26	3.3	2.8	29

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 11, 2004.

Harvested: October 6, 2004.

Soil Type: Dothan 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

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

Plains, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage ¹ %
DP434RR	1502	43.4	85.6		1.16	30.4	4.9	10
GA2002212	1500	44.8	84.3		1.14	33.9	5.0	10
FM960BR	1488	42.7	84.0		1.11	34.4	4.6	6
OAX303	1445	43.9	84.0		1.13	29.8	5.2	9
DP 455 BG/RR	1442	43.2	82.7		1.10	32.0	4.6	13
DELTAPEARL	1404	41.7	84.5		1.17	32.8	5.0	8
SG215BG/RR	1383	41.8	84.0		1.09	26.5	5.0	10
ST 4575BR	1347	44.0	82.5		1.07	29.7	4.9	24
GA200036	1317	44.4	84.3		1.13	33.2	5.1	15
ST 4892BR	1305	43.8	83.6		1.09	31.1	5.3	9
DP432RR	1305	41.8	84.7		1.13	31.8	4.5	15
GA200035	1299	41.5	83.6		1.15	31.2	4.7	10
FM960R	1299	41.3	84.1		1.15	32.2	4.5	4
GA2002211	1282	43.9	85.1		1.14	33.4	5.2	8
FM958LL	1275	41.7	84.2		1.15	30.9	4.6	7
ST 4686R	1252	41.4	84.9		1.17	31.5	4.2	24
GA2002167	1247	44.5	84.1		1.13	34.1	5.1	11
DP444BG/RR	1239	44.3	83.4		1.09	28.5	4.8	25
DP424BII/R	1235	36.3	85.3		1.15	26.9	4.4	10
FM960B2R	1223	39.9	83.7		1.17	32.2	5.0	4
DP451B/RR	1209	37.5	84.8		1.17	28.6	4.5	15
ST 3636B2R	1205	43.4	83.6		1.07	29.6	5.4	15
DP449BG/RR	1202	41.2	84.6		1.17	31.6	4.5	8
FM966LL	1186	40.0	84.0		1.13	35.4	4.6	5
ST 4646B2R	1174	40.4	83.7		1.12	30.0	5.0	9
DP393	1174	41.4	84.6		1.16	31.6	5.1	10
BCG28R	1173	42.0	84.4		1.18	31.7	4.7	11
BCG295	1168	38.9	85.5		1.20	31.7	4.5	9
ST 5242BR	1084	42.6	85.1		1.14	29.2	4.2	29
DP436RR	1083	37.7	86.0		1.18	26.4	4.8	5
PHY410RR	1072	39.6	84.9		1.11	31.1	5.0	15
DP 445 BG/RR	1070	42.8	85.0		1.17	30.7	4.4	15
Average	1269	41.8	84.3		1.13	31.0	4.8	12
LSD 0.10	185	1.3	1.4		0.05	3.6	0.5	6
CV %	12.4	2.6	1.0		2.62	6.8	5.6	47

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 14, 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

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

Tifton, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength g/tex	Micronaire units	Storm
			Index %	Length inches			Damage ¹ %
OAX303	964	44.0	82.9	1.08	32.1	5.0	23
SG215BG/RR	921	39.8	83.9	1.08	29.0	4.3	13
GA200036	893	43.8	84.5	1.11	35.5	4.6	20
ST 4686R	876	40.5	83.0	1.11	29.6	4.1	19
GA2002211	853	41.4	83.9	1.11	35.0	4.6	21
FM960BR	852	39.2	82.8	1.06	33.5	4.4	10
DP434RR	828	41.6	84.4	1.15	28.5	3.9	11
ST 4892BR	818	40.1	83.3	1.08	31.7	4.7	13
PHY410RR	814	40.3	84.1	1.08	33.8	4.4	19
DP 393	812	41.5	84.5	1.11	32.1	4.5	19
FM960R	796	40.3	84.4	1.12	33.5	4.1	10
GA200035	794	41.4	83.7	1.12	36.7	4.5	21
DP449BG/RR	788	38.8	83.2	1.09	31.9	4.5	14
GA2002212	750	43.4	84.9	1.15	34.9	4.8	20
DP432RR	747	40.4	83.6	1.08	31.2	4.1	14
DP 445 BG/RR	746	40.8	83.8	1.09	31.8	4.4	14
BCG295	741	38.2	84.4	1.15	32.8	4.2	11
ST 5242BR	735	41.0	83.6	1.07	28.2	4.0	23
DP444BG/RR	727	42.6	83.4	1.10	30.6	3.7	21
BCG28R	724	40.2	83.6	1.10	29.0	4.4	18
GA2002167	714	42.5	83.1	1.09	34.3	4.7	23
DP 455 BG/RR	704	42.5	82.4	1.07	33.2	4.2	16
ST 4575BR	703	40.5	83.0	1.06	32.3	4.2	18
ST 4646B2R	688	39.1	82.9	1.10	31.5	4.2	13
DP424BII/R	681	36.5	84.5	1.09	28.4	4.4	11
DP451B/RR	676	36.4	84.0	1.12	30.0	4.4	19
FM958LL	653	40.3	83.1	1.10	32.8	4.1	14
DELTAPEARL	639	39.3	84.1	1.14	31.6	4.6	19
DP436RR	636	36.8	83.7	1.10	29.4	4.4	15
FM966LL	628	39.3	83.5	1.09	40.3	4.2	10
ST 3636B2R	611	40.6	83.1	1.09	29.4	4.2	20
FM960B2R	566	38.7	83.9	1.12	32.3	4.2	13
Average	753	40.3	83.6	1.10	32.1	4.3	16
LSD 0.10	180	1.0	N.S. ²	N.S.	2.4	0.3	4
CV %	20.4	2.1	0.9	2.52	4.5	4.7	20

NOTE: Due to excessive rain and high wind damage from several tropical storms, use caution when using this data.

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

Trials conducted by Larry Thompson and Don Day.

Yield Summary for Dryland Earlier Maturity Cotton Varieties, 2004

Entry	Lint Yield ^a					4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains	Tifton	lb/acre						
FM960BR	1280 ³	878 ²	1488 ³	852 ⁶	1125 ¹	41.1	84.1	1.11	36.2	4.9	
DP 455 BG/RR	1352 ²	991 ¹	1442 ⁵	704 ²²	1122 ²	43.3	83.6	1.11	33.6	4.7	
OAX303	854 ³⁰	861 ³	1445 ⁴	964 ¹	1031 ³	43.4	83.8	1.11	31.3	5.4	
GA2002212	995 ¹⁹	846 ⁴	1500 ²	750 ¹⁴	1023 ⁴	43.8	84.9	1.15	35.2	5.2	
ST 4575BR	1203 ⁷	830 ⁵	1347 ⁸	703 ²³	1021 ⁵	41.6	83.9	1.09	31.6	5.0	
SG215BG/RR	917 ²³	796 ⁶	1383 ⁷	921 ²	1004 ⁶	40.8	84.0	1.08	28.4	5.2	
ST 4686R	1127 ¹³	744 ¹⁰	1252 ¹⁴	876 ⁴	1000 ⁷	41.3	84.4	1.14	30.3	4.8	
DP434RR	1085 ¹⁵	580 ²⁸	1502 ¹	828 ⁷	999 ⁸	42.5	85.5	1.17	29.4	4.8	
ST 4892BR	1190 ⁸	673 ¹⁹	1305 ^{10T}	818 ⁸	996 ⁹	42.7	84.1	1.09	32.4	5.4	
DP449BG/RR	1274 ⁴	698 ¹⁴	1202 ²¹	788 ¹³	991 ¹⁰	40.1	84.3	1.13	33.8	4.9	
DP 445 BG/RR	1424 ¹	687 ¹⁵	1070 ²⁹	746 ¹⁶	982 ¹¹	41.8	84.6	1.13	31.2	4.8	
DP444BG/RR	1224 ⁵	676 ¹⁷	1239 ¹⁶	727 ¹⁹	967 ¹²	43.2	84.4	1.11	29.9	4.6	
FM960R	1104 ¹⁴	664 ²¹	1299 ^{11T}	796 ¹¹	966 ¹³	41.6	84.4	1.14	35.1	4.7	
GA200036	915 ^{24T}	701 ¹³	1317 ⁹	893 ³	956 ¹⁴	43.4	84.9	1.13	35.4	5.2	
FM960B2R	1189 ⁹	775 ⁷	1223 ¹⁸	566 ³²	938 ¹⁵	40.4	84.7	1.16	34.2	4.9	
GA2002211	876 ²⁹	719 ¹²	1282 ¹²	853 ⁵	933 ¹⁶	42.4	84.7	1.14	34.4	5.1	
DP432RR	1058 ¹⁷	619 ²⁵	1305 ^{10T}	747 ¹⁵	932 ¹⁷	41.6	84.7	1.11	32.3	5.0	
DP 393	1145 ¹¹	572 ²⁹	1174 ^{23T}	812 ¹⁰	926 ¹⁸	41.7	85.1	1.14	33.0	5.2	
GA200035	915 ^{24T}	663 ²²	1299 ^{11T}	794 ¹²	918 ¹⁹	41.9	84.8	1.15	34.8	5.0	
ST 3636B2R	1177 ¹⁰	675 ¹⁸	1205 ²⁰	611 ³¹	917 ²⁰	41.8	83.7	1.10	30.4	5.2	
ST 4646B2R	1215 ⁶	567 ³⁰	1174 ^{23T}	688 ²⁴	911 ²¹	40.5	83.6	1.11	31.7	5.0	
DELTAPEARL	830 ³¹	759 ⁸	1404 ⁶	639 ²⁸	908 ²²	40.2	84.9	1.17	33.1	5.1	
ST 5242BR	1136 ¹²	671 ²⁰	1084 ²⁶	735 ¹⁸	907 ²³	41.7	84.4	1.11	29.5	4.7	
GA2002167	883 ²⁸	753 ⁹	1247 ¹⁵	714 ²¹	899 ²⁴	43.5	84.4	1.14	35.2	5.1	
FM958LL	993 ²⁰	648 ²³	1275 ¹³	653 ²⁷	892 ²⁵	41.4	84.6	1.13	34.4	5.0	
DP424BII/R	1017 ¹⁸	620 ²⁴	1235 ¹⁷	681 ²⁵	888 ²⁶	37.1	84.7	1.12	29.5	4.8	
BCG28R	899 ²⁵	742 ¹¹	1173 ²⁴	724 ²⁰	885 ²⁷	41.4	84.5	1.14	31.0	5.1	
DP451B/RR	1065 ¹⁶	528 ³²	1209 ¹⁹	676 ²⁶	870 ²⁸	37.0	84.8	1.15	30.6	5.0	
PHY410RR	896 ²⁶	678 ¹⁶	1072 ²⁸	814 ⁹	865 ²⁹	40.0	84.8	1.11	32.7	5.0	
BCG295	942 ²¹	565 ³¹	1168 ²⁵	741 ¹⁷	854 ³⁰	38.8	84.9	1.17	33.4	4.9	
FM966LL	885 ²⁷	591 ²⁷	1186 ²²	628 ³⁰	822 ³¹	39.6	84.4	1.13	37.4	4.8	
DP436RR	923 ²²	614 ²⁶	1083 ²⁷	636 ²⁹	814 ³²	36.9	85.1	1.15	28.7	5.0	
Average	1062	700	1269	753	946	41.2	84.5	1.13	32.5	5.0	
LSD 0.10	151	133	185	180	134	0.8	0.7	0.02	1.6	0.2	
CV %	12.1	16.2	12.4	20.4	14.7	2.0	0.9	2.19	4.8	4.1	

^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).

Two-Year Summary for Dryland Earlier Maturity Cotton Varieties at Four Locations^a, 2003-2004

Variety	Lint Yield ^b lb/acre	Uniformity		Length inches	Strength g/tex	Micronaire units
		Lint %	Index %			
FM960BR	1233 ¹	40.9	84.0	1.12	34.7	4.7
OAX303	1228 ²	44.0	84.0	1.11	30.2	5.1
DP444BG/RR	1158 ³	43.1	84.1	1.12	29.4	4.3
ST 4892BR	1148 ⁴	42.3	84.1	1.09	31.4	5.1
GA200035	1128 ⁵	42.3	84.5	1.16	33.5	4.8
GA200036	1108 ⁶	43.0	84.7	1.15	34.0	4.9
FM958LL	1105 ⁷	41.0	84.3	1.15	33.2	4.8
DP449BG/RR	1091 ⁸	40.2	84.1	1.14	33.1	4.7
DP451B/RR	1070 ⁹	37.3	84.7	1.15	29.8	4.8
DELTAPEARL	1060 ¹⁰	40.0	84.9	1.19	32.4	4.8
ST 4646B2R	1030 ¹¹	39.8	83.3	1.11	31.0	4.8
FM966LL	1008 ¹²	39.8	84.4	1.13	35.9	4.7
PHY410RR	985 ¹³	39.8	84.6	1.12	31.5	4.8
DP436RR	925 ¹⁴	36.8	84.7	1.15	28.4	4.7
Average	1091	40.7	84.3	1.13	32.0	4.8
LSD 0.10	59	0.4	0.3	0.01	0.6	0.1
CV %	13.1	2.1	0.7	1.62	3.8	3.3

^a Athens, Midville, Plains, and Tifton.

^b Superscripts indicate ranking.

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