

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

Variety	Lint Yield lb/acre	Uniformity			Length inches	Strength g/tex	Micronaire units	Storm
		Lint %	Index %	Damage ¹ %				
DP458B/RR	1407	41.2	84.5	1.14	31.6	5.4	0	
DP 445 BG/RR	1346	43.1	84.1	1.10	32.1	5.4	0	
ST 6636BR	1295	41.8	84.5	1.15	33.7	5.4	0	
DP449BG/RR	1284	41.7	82.7	1.09	34.6	5.4	0	
DP488BG/RR	1269	44.2	83.4	1.12	30.4	5.5	0	
ST 5599BR	1243	42.6	83.4	1.08	30.9	5.4	0	
FM989B2R	1233	41.8	83.6	1.09	32.4	5.4	0	
FM989BR	1225	41.9	83.6	1.09	32.1	5.3	0	
ST 5242BR	1195	42.2	83.4	1.04	28.7	5.3	0	
DP 455 BG/RR	1178	45.3	84.0	1.14	32.8	5.0	0	
FM991BR	1128	40.7	84.8	1.15	35.2	5.1	0	
DP555BG/RR	1104	43.8	83.8	1.09	30.0	5.5	0	
GA2003137	1089	45.4	83.4	1.10	31.3	5.5	0	
GA2001078	1087	42.8	83.4	1.09	29.8	5.1	0	
DP494RR	1067	42.2	84.5	1.16	32.2	5.3	0	
DP491	1065	44.1	84.1	1.14	31.9	5.5	0	
DP5690RR	1049	40.0	84.4	1.12	33.0	5.4	0	
PHY510RR	1048	41.0	83.6	1.14	32.5	5.3	0	
GA2003165	1048	42.1	84.0	1.14	31.9	5.5	0	
FM991B2R	1044	39.9	84.5	1.14	33.7	4.9	0	
BCG24R	1043	42.1	84.6	1.09	30.2	5.6	0	
DP 543 BGII/RR	1043	42.6	82.9	1.08	32.7	5.4	0	
FM991R	1040	40.0	83.6	1.15	33.3	5.1	0	
DP493	1036	43.3	83.9	1.12	32.8	5.4	0	
ST 5303R	1036	41.8	84.3	1.05	34.8	5.6	0	
DPLX02T57R	1014	42.0	83.4	1.05	29.4	5.6	0	
OAX303	985	44.6	84.2	1.08	28.4	5.7	0	
ST 5454B2R	979	40.8	83.0	1.07	30.2	6.0	0	
GA2002233	965	43.9	83.4	1.11	31.2	5.6	0	
DELTAPEARL	948	40.6	84.2	1.16	31.9	5.1	0	
DP5415RR	898	41.3	83.9	1.11	31.1	5.8	0	
GA2002217	829	43.3	82.6	1.10	32.0	5.9	0	
ST 6848R	809	40.5	84.3	1.15	34.8	5.4	0	
Average	1092	42.2	83.8	1.11	31.9	5.4	0	
LSD 0.10	183	0.8	1.1	0.04	3.1	0.4	-	
CV %	14.3	1.7	0.7	1.98	5.7	4.1	-	

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 12, 2004.

Harvested: October 26, 2004.

Soil Type: Appling 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 Later Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength g/tex	Micronaire units	Storm
			Index %	Length inches			Damage ¹ %
DP555BG/RR	1003	44.0	83.2	1.13	31.6	5.3	1
FM989BR	960	40.4	84.3	1.14	36.6	5.4	1
ST 5599BR	946	41.5	83.5	1.09	34.0	5.8	2
DP493	911	43.4	84.6	1.15	33.1	5.5	1
FM991BR	901	39.6	84.7	1.15	37.4	5.4	2
DELTAPEARL	897	41.7	84.4	1.18	33.3	5.5	2
DP458B/RR	888	38.5	85.8	1.15	38.2	5.7	1
GA2003137	881	43.1	84.4	1.17	34.3	5.6	1
GA2003165	867	39.0	85.3	1.17	37.2	5.1	1
DP5690RR	845	39.4	85.3	1.15	37.8	5.6	2
OAX303	831	41.9	85.2	1.11	33.1	5.6	2
DP494RR	817	42.6	85.4	1.19	33.2	5.4	2
DP449BG/RR	812	39.8	85.4	1.13	37.1	5.4	2
DP 543 BGII/RR	796	40.6	84.0	1.14	33.4	5.6	1
DP 455 BG/RR	794	42.7	84.4	1.16	35.1	5.2	1
ST 5242BR	794	41.0	84.8	1.13	31.7	5.3	2
DP488BG/RR	789	42.6	86.2	1.20	34.3	5.3	2
ST 6848R	771	39.4	85.9	1.16	39.5	5.7	3
ST 5454B2R	768	38.1	85.2	1.13	33.6	5.7	1
DP491	761	43.2	85.6	1.22	35.1	5.4	1
FM989B2R	760	39.3	85.0	1.15	36.2	5.3	1
FM991R	757	39.3	85.9	1.16	36.8	5.4	2
ST 6636BR	753	39.1	84.6	1.14	35.7	5.6	3
GA2002233	743	43.4	84.7	1.15	36.6	5.7	1
DP5415RR	742	39.8	85.1	1.14	33.3	5.6	1
PHY510RR	722	39.0	85.3	1.18	38.1	5.5	1
ST 5303R	715	39.8	84.9	1.08	38.8	5.4	1
FM991B2R	710	38.6	85.8	1.20	34.7	4.9	1
DP 445 BG/RR	696	41.2	85.6	1.15	32.9	5.3	1
DPLX02T57R	696	38.8	84.9	1.12	34.7	5.1	1
BCG24R	667	40.2	84.2	1.09	36.1	5.7	2
GA2001078	653	40.2	85.7	1.16	36.2	5.4	2
GA2002217	587	40.5	84.4	1.16	36.4	5.4	2
Average	795	40.6	84.9	1.15	35.3	5.4	2
LSD 0.10	142	0.7	1.1	0.03	1.8	0.3	1
CV %	15.2	1.5	0.8	1.61	3.0	3.6	32

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 Later Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage ¹ %
DP555BG/RR	1318	44.4	84.0		1.10	32.8	5.3	11
ST 5599BR	1307	43.4	83.9		1.08	29.2	5.4	14
DP 455 BG/RR	1247	45.2	83.0		1.10	32.0	4.5	13
DP491	1241	44.4	84.5		1.13	35.9	4.9	5
DP5415RR	1239	41.8	84.1		1.09	32.0	5.2	5
DP449BG/RR	1209	41.3	83.8		1.07	33.6	5.2	9
DELTAPEARL	1208	42.0	84.7		1.14	32.6	5.4	7
GA2003165	1200	41.6	83.7		1.10	29.9	5.2	8
FM991BR	1176	40.5	83.1		1.08	37.9	4.9	6
GA2003137	1175	44.5	82.6		1.05	33.7	5.5	6
DP5690RR	1171	40.2	83.7		1.07	34.1	5.0	7
DP494RR	1167	41.4	84.0		1.10	32.5	5.2	5
FM989BR	1134	41.9	84.0		1.08	30.4	5.0	5
ST 5303R	1131	40.1	84.2		1.05	36.5	4.9	6
DP493	1129	45.1	83.4		1.07	31.7	5.6	10
OAX303	1104	43.4	83.4		1.06	29.9	5.4	11
DP458B/RR	1099	41.4	83.6		1.07	30.7	5.5	6
DP 543 BGII/RR	1096	41.6	83.9		1.08	29.4	5.5	11
DP 445 BG/RR	1094	44.2	84.0		1.09	29.3	5.1	13
DP488BG/RR	1085	43.1	83.9		1.15	31.9	5.4	5
FM989B2R	1071	40.5	84.0		1.09	30.6	5.0	6
GA2002233	1066	44.9	84.2		1.09	32.2	5.5	8
GA2001078	1046	41.2	84.4		1.12	32.9	5.2	6
PHY510RR	1031	40.9	83.8		1.11	32.7	5.0	5
FM991B2R	1001	39.8	83.6		1.10	31.5	4.9	6
FM991R	983	40.0	84.2		1.12	33.3	4.9	5
ST 6636BR	983	40.4	83.7		1.08	34.2	5.3	21
ST 5454B2R	970	39.7	83.6		1.09	29.3	5.3	9
ST 6848R	948	38.8	84.6		1.06	36.1	5.3	11
ST 5242BR	931	44.8	83.0		1.02	28.5	5.3	13
GA2002217	908	43.0	83.6		1.10	34.0	5.4	5
BCG24R	906	40.6	83.6		1.06	28.6	5.1	4
DPLX02T57R	752	40.0	84.3		1.08	30.9	4.5	4
Average	1095	42.0	83.8		1.09	32.1	5.1	8
LSD 0.10	193	0.8	N.S. ²		0.04	2.5	0.4	4
CV %	15.0	1.7	0.8		2.10	4.6	4.2	46

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 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 Later Maturity Cotton Variety Performance, 2004

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength g/tex	Micronaire units	Storm
			Index %	Length inches			Damage ¹ %
GA2003137	1210	42.1	83.3	1.12	34.7	4.5	14
ST 5242BR	1183	40.1	84.6	1.13	30.0	4.2	19
GA2001078	1157	42.2	84.3	1.16	33.5	4.4	15
DP 455 BG/RR	1136	42.8	83.2	1.12	34.8	3.9	13
DP488BG/RR	1102	39.6	83.2	1.16	31.6	4.0	6
GA2003165	1070	38.4	84.3	1.18	34.1	4.4	13
DP491	1052	40.4	84.8	1.19	34.9	4.4	9
DELTAPEARL	1052	39.1	83.9	1.17	32.5	4.7	11
DP494RR	1041	38.2	84.4	1.16	34.1	4.4	9
DP555BG/RR	1039	41.7	83.0	1.11	29.6	4.3	18
GA2002233	1039	41.2	83.9	1.14	33.8	4.4	16
OAX303	1029	43.9	83.7	1.11	29.7	4.8	15
DP493	1017	41.9	82.7	1.12	34.0	4.8	13
GA2002217	988	40.9	83.8	1.14	34.7	4.5	14
FM991BR	985	36.6	84.7	1.14	36.4	4.4	9
ST 5599BR	964	41.1	83.2	1.11	33.1	4.4	18
ST 6848R	958	37.4	84.2	1.12	35.2	4.4	16
ST 6636BR	953	38.2	84.3	1.16	33.4	4.1	15
DP449BG/RR	948	38.4	84.0	1.07	32.8	4.6	10
FM989BR	926	38.0	83.7	1.11	31.0	3.7	6
ST 5303R	924	37.9	84.2	1.09	35.9	4.5	10
DP 543 BGII/RR	917	38.8	83.4	1.14	29.3	4.5	19
DP5415RR	895	39.6	83.0	1.09	31.7	4.7	8
DPLX02T57R	867	37.5	83.3	1.07	32.0	4.0	6
FM991B2R	858	37.5	83.9	1.17	34.0	4.2	13
ST 5454B2R	844	37.0	83.5	1.12	31.8	4.5	9
DP458B/RR	828	38.4	83.4	1.12	32.1	4.5	8
PHY510RR	824	37.8	83.4	1.12	31.8	4.0	6
DP5690RR	806	37.8	83.0	1.11	35.0	4.1	10
FM991R	785	35.9	83.7	1.13	32.8	4.4	9
BCG24R	784	38.2	83.5	1.11	31.7	4.2	6
DP 445 BG/RR	778	39.5	83.9	1.13	31.7	4.0	10
FM989B2R	689	37.0	84.1	1.14	34.4	3.7	9
Average	959	39.2	83.7	1.13	32.9	4.3	11
LSD 0.10	116	1.0	N.S. ²	0.04	2.7	0.3	4
CV %	10.3	2.2	0.8	2.00	4.8	4.0	30

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 Later Maturity Cotton Varieties, 2004

Entry	Lint Yield ^a					Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains	Tifton	4-Loc. Average					
DP555BG/RR	1104 ¹²	1003 ¹	1318 ¹	1039 ^{9T}	1116 ¹	43.5	83.5	1.11	31.0	5.1
ST 5599BR	1243 ⁶	946 ³	1307 ²	964 ¹⁴	1115 ²	42.1	83.5	1.09	31.8	5.3
DP 455 BG/RR	1178 ¹⁰	794 ^{15T}	1247 ³	1136 ⁴	1089 ^{3T}	44.0	83.6	1.13	33.6	4.6
GA2003137	1089 ¹³	881 ⁸	1175 ¹⁰	1210 ¹	1089 ^{3T}	43.8	83.4	1.11	33.5	5.3
DP449BG/RR	1284 ⁴	812 ¹³	1209 ⁶	948 ¹⁷	1063 ⁴	40.3	83.9	1.09	34.5	5.1
DP488BG/RR	1269 ⁵	789 ¹⁶	1085 ²⁰	1102 ⁵	1061 ^{5T}	42.4	84.1	1.16	32.1	5.0
FM989BR	1225 ⁸	960 ²	1134 ¹³	926 ¹⁸	1061 ^{5T}	40.5	83.9	1.10	32.5	4.8
DP458B/RR	1407 ¹	888 ⁷	1099 ¹⁷	828 ²⁵	1056 ⁶	39.9	84.3	1.12	33.1	5.2
FM991BR	1128 ¹¹	901 ⁵	1176 ⁹	985 ¹³	1047 ⁷	39.3	84.3	1.13	36.7	4.9
GA2003165	1048 ^{18T}	867 ⁹	1200 ⁸	1070 ⁶	1046 ⁸	40.3	84.3	1.15	33.2	5.0
DP491	1065 ¹⁶	761 ¹⁹	1241 ⁴	1052 ^{7T}	1030 ⁹	43.0	84.7	1.17	34.4	5.0
DELTAPEARL	948 ²⁷	897 ⁶	1208 ⁷	1052 ^{7T}	1026 ^{10T}	40.8	84.3	1.16	32.6	5.2
ST 5242BR	1195 ⁹	794 ^{15T}	931 ²⁹	1183 ²	1026 ^{10T}	42.0	84.0	1.08	29.7	5.0
DP493	1036 ^{22T}	911 ⁴	1129 ¹⁵	1017 ¹¹	1023 ^{11T}	43.4	83.6	1.11	32.9	5.3
DP494RR	1067 ¹⁵	817 ¹²	1167 ¹²	1041 ⁸	1023 ^{11T}	41.1	84.6	1.15	33.0	5.0
ST 6636BR	1295 ³	753 ²²	983 ^{26T}	953 ¹⁶	996 ¹²	39.9	84.3	1.13	34.2	5.1
OAX303	985 ²⁴	831 ¹¹	1104 ¹⁶	1029 ¹⁰	987 ¹³	43.4	84.1	1.09	30.3	5.4
GA2001078	1087 ¹⁴	653 ³⁰	1046 ²³	1157 ³	986 ¹⁴	41.6	84.4	1.13	33.1	5.0
DP 445 BG/RR	1346 ²	696 ^{28T}	1094 ¹⁹	778 ³⁰	979 ¹⁵	42.0	84.4	1.12	31.5	4.9
DP5690RR	1049 ¹⁷	845 ¹⁰	1171 ¹¹	806 ²⁷	968 ¹⁶	39.3	84.1	1.11	35.0	5.0
DP 543 BGII/R	1043 ^{20T}	796 ¹⁴	1096 ¹⁸	917 ²⁰	963 ¹⁷	40.9	83.6	1.11	31.2	5.2
GA2002233	965 ²⁶	743 ²³	1066 ²²	1039 ^{9T}	953 ¹⁸	43.3	84.0	1.12	33.4	5.3
ST 5303R	1036 ^{22T}	715 ²⁶	1131 ¹⁴	924 ¹⁹	952 ¹⁹	39.9	84.4	1.07	36.5	5.1
DP5415RR	898 ²⁸	742 ²⁴	1239 ⁵	895 ²¹	944 ²⁰	40.6	84.0	1.10	32.0	5.3
FM989B2R	1233 ⁷	760 ²⁰	1071 ²¹	689 ³¹	938 ²¹	39.6	84.2	1.12	33.4	4.8
PHY510RR	1048 ^{18T}	722 ²⁵	1031 ²⁴	824 ²⁶	906 ²²	39.7	84.0	1.13	33.7	4.9
FM991B2R	1044 ¹⁹	710 ²⁷	1001 ²⁵	858 ²³	903 ²³	38.9	84.4	1.15	33.4	4.7
FM991R	1040 ²¹	757 ²¹	983 ^{26T}	785 ²⁸	891 ²⁴	38.8	84.3	1.14	34.1	4.9
ST 5454B2R	979 ²⁵	768 ¹⁸	970 ²⁷	844 ²⁴	890 ²⁵	38.9	83.8	1.10	31.2	5.3
ST 6848R	809 ³⁰	771 ¹⁷	948 ²⁸	958 ¹⁵	872 ²⁶	39.0	84.7	1.12	36.4	5.2
BCG24R	1043 ^{20T}	667 ²⁹	906 ³¹	784 ²⁹	850 ²⁷	40.3	84.0	1.09	31.6	5.1
DPLX02T57R	1014 ²³	696 ^{28T}	752 ³²	867 ²²	832 ²⁸	39.5	83.9	1.08	31.7	4.8
GA2002217	829 ²⁹	587 ³¹	908 ³⁰	988 ¹²	828 ²⁹	41.9	83.6	1.13	34.3	5.3
Average	1092	795	1095	959	985	41.0	84.1	1.12	33.1	5.1
LSD 0.10	183	142	193	116	127	1.0	0.6	0.02	1.5	0.2
CV %	14.3	15.2	15.0	10.3	14.0	1.8	0.8	1.92	4.6	4.0

^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 Later 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 %			
ST 5599BR	1212 ¹	41.7	83.3	1.10	31.2	5.0
DP555BG/RR	1209 ²	43.2	83.5	1.12	30.3	4.9
OAX303	1202 ³	43.7	84.2	1.10	29.2	5.2
DP449BG/RR	1152 ⁴	40.1	83.8	1.11	33.3	4.8
FM991BR	1126 ⁵	39.2	84.1	1.14	36.1	4.8
DELTAPEARL	1110 ⁶	40.6	84.2	1.18	31.8	4.9
DP493	1100 ⁷	43.3	83.6	1.13	31.3	5.1
FM989BR	1094 ⁸	40.6	83.7	1.12	31.7	4.5
DP458B/RR	1073 ⁹	39.8	83.9	1.13	32.0	4.9
DP491	1064 ¹⁰	42.1	84.6	1.19	33.0	4.8
ST 5303R	1018 ¹¹	39.8	84.2	1.08	34.5	4.8
DP5690RR	998 ¹²	39.1	83.8	1.12	33.9	4.8
FM991R	979 ¹³	38.7	84.0	1.15	32.8	4.6
PHY510RR	963 ¹⁴	39.4	84.0	1.15	33.0	4.7
DP5415RR	959 ¹⁵	39.9	84.0	1.12	31.1	5.0
Average	1084	40.7	83.9	1.13	32.4	4.8
LSD 0.10	60	0.3	0.3	0.01	0.6	0.1
CV %	13.6	1.6	0.7	1.58	4.3	3.8

^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).