The Georgia Agricultural Experiment Stations
College of Agriculural and Environmental Sciences
The University of Georgia

Annual Publication 104-2
January 2011

Athens, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2010

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1537**	45.6	83.6	1.13	31.0	5.2
DP 1137 B2RF	**1474**	46.1	83.3	1.14	28.2	4.7
10R052B2R2	**1466**	47.1	84.4	1.17	29.2	4.7
PHY 375 WRF	**1389**	46.5	82.4	1.12	28.9	5.0
DP 1050 B2RF	1341	45.7	84.0	1.18	28.6	4.5
DP 1034 B2RF	1339	45.7	83.3	1.16	28.5	4.6
ST 5458B2RF	1272	45.7	83.3	1.15	31.4	5.1
DP 1133 B2RF	1271	45.7	82.5	1.17	31.3	4.6
BCSX 1010B2F	1259	46.3	81.5	1.11	29.2	4.9
DP 1048 B2RF	1256	47.8	83.4	1.15	28.2	4.9
DP 1032 B2RF	1251	44.5	83.7	1.21	31.6	4.9
PHY 519 WRF	1245	45.1	81.9	1.14	29.8	5.2
DP 0935 B2RF	1213	45.2	81.1	1.10	28.7	5.3
PHY 485 WRF	1197	43.3	82.8	1.13	30.6	5.0
NG 3331 B2RF	1188	45.2	83.7	1.12	30.7	5.3
PHY 565 WRF	1185	43.3	82.3	1.18	30.9	5.0
PHY 440 W	1181	46.2	82.3	1.11	30.4	4.9
GA2004143	1175	47.7	82.6	1.19	31.7	4.5
GA2004303	1163	43.1	82.6	1.18	31.1	5.1
PHY 569 WRF	1145	42.1	83.7	1.16	31.0	4.9
DP 0949B2RF	1132	45.2	81.6	1.15	30.2	5.2
PHY 525 RF	1131	42.5	83.7	1.19	31.7	4.5
AM 1550 B2RF	1115	45.2	81.5	1.06	28.4	5.3
NG 4012 B2RF	1107	46.5	81.4	1.12	30.0	4.6
FM1773LLB2	1094	44.0	81.5	1.16	32.6	5.0
ST 4288B2F	1084	42.5	82.2	1.13	29.1	5.0
FM 1845LLB2	1082	43.1	82.9	1.19	32.1	5.1
BCSX1030B2F	1069	45.3	82.6	1.11	27.3	4.5
ST 5288B2F	1061	43.3	82.5	1.13	30.3	5.0
FM1740B2RF	1041	47.0	81.5	1.09	28.0	5.4
SSG CT 310HQ	1029	42.9	83.0	1.19	33.5	5.0
BCSX1040B2F	1015	41.7	82.8	1.21	31.2	4.5
NG 4010 B2RF	912	45.1	82.0	1.09	30.7	5.0
NG 8015 B2RF	893	43.7	81.5	1.08	30.6	5.4
Average	1186	44.9	82.6	1.14	30.2	4.9
LSD 0.10	149	1.2	1.2	0.06	1.6	0.5
CV %	10.7	2.3	0.8	2.91	3.2	6.2

* 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 10, 2010.
Harvested: November 2, 2010.
Soil Type: Cecil coarse sandy loam.
Fertilization: 180 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 104-2
January 2011

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2010

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1050 B2RF	**1372**	46.6	83.2	1.14	28.0	4.9
PHY 499 WRF	**1361**	44.6	83.8	1.12	33.7	4.9
PHY 519 WRF	**1326**	42.8	83.7	1.15	31.0	4.9
DP 1048 B2RF	**1261**	44.1	83.9	1.12	27.9	4.7
ST 5288B2F	**1253**	41.7	82.9	1.15	28.2	5.0
NG 3331 B2RF	**1249**	43.1	82.7	1.12	30.3	5.0
DP 1034 B2RF	**1207**	44.3	83.1	1.14	28.9	4.9
AM 1550 B2RF	**1192**	43.1	82.7	1.04	26.4	5.2
DP 1137 B2RF	**1181**	45.6	83.2	1.08	26.2	4.9
DP 0949B2RF	**1167**	43.2	83.2	1.16	30.9	4.8
DP 1032 B2RF	**1156**	43.6	82.7	1.14	29.1	4.9
DP 0935 B2RF	1144	41.6	81.7	1.11	28.0	5.0
GA2004303	1139	42.1	81.6	1.08	30.1	5.0
DP 1133 B2RF	1131	43.2	82.7	1.11	31.7	5.0
PHY 375 WRF	1129	42.8	82.6	1.13	30.7	4.3
FM1740B2RF	1126	41.9	83.4	1.12	29.4	5.0
GA2004143	1121	43.7	83.9	1.18	34.7	5.1
ST 5458B2RF	1120	41.7	81.4	1.10	29.1	5.4
10R052B2R2	1099	46.2	83.8	1.14	28.6	5.2
FM1773LLB2	1043	39.9	83.1	1.14	32.3	5.4
BCSX 1010B2F	1040	39.7	83.0	1.16	29.8	4.3
PHY 565 WRF	1039	38.9	83.9	1.13	31.8	4.9
NG 4010 B2RF	1036	40.2	83.3	1.14	30.5	4.8
PHY 569 WRF	1020	41.2	84.1	1.12	30.6	4.9
PHY 525 RF	1012	41.4	83.8	1.18	31.2	4.4
FM 1845LLB2	1001	38.6	84.3	1.21	34.0	5.0
PHY 485 WRF	994	42.1	83.9	1.11	30.2	5.2
ST 4288B2F	969	38.7	83.4	1.17	30.1	4.9
BCSX1040B2F	966	39.1	84.2	1.21	32.5	4.4
BCSX1030B2F	963	41.1	82.6	1.12	26.0	4.5
NG 4012 B2RF	946	40.7	81.9	1.14	30.3	4.5
PHY 440 W	936	43.3	82.9	1.06	30.6	4.8
SSG CT 310HQ	887	38.6	84.1	1.14	35.2	5.0
NG 8015 B2RF	866	39.8	82.8	1.10	31.1	5.0
Average	1102	42.0	83.1	1.13	30.2	4.9
LSD 0.10	220	1.1	N.S.[1]	0.05	2.0	0.5
CV %	17.1	2.3	1.2	2.60	4.0	5.6

* 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 7, 2010.
Harvested: October 6, 2010.
Soil Type: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.
Fertilization: 100 lb N, 115 lb P_2O_5, and 30 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 104-2
January 2011

Plains, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2010

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**551**	47.8	82.4	1.00	30.9	4.5
10R052B2R2	**528**	47.8	81.8	1.03	28.7	5.2
DP 1050 B2RF	**509**	47.4	82.3	1.04	25.7	4.8
DP 1048 B2RF	**509**	46.4	81.7	1.08	26.9	5.1
DP 1137 B2RF	**496**	45.5	82.8	1.03	29.2	5.2
DP 0935 B2RF	**483**	44.6	80.2	0.98	26.4	4.7
DP 1034 B2RF	**476**	47.1	82.3	1.03	27.1	5.0
DP 1133 B2RF	**457**	47.4	82.0	1.04	31.8	5.0
ST 5288B2F	442	42.7	81.5	0.99	25.6	4.6
GA2004143	431	45.5	81.6	1.07	32.0	5.1
DP 0949B2RF	424	45.7	82.1	1.05	30.4	4.9
GA2004303	420	42.5	82.5	1.06	31.0	5.1
ST 5458B2RF	417	42.3	81.4	1.02	27.8	4.8
BCSX1030B2F	409	44.0	82.0	1.03	27.0	4.5
AM 1550 B2RF	406	42.7	82.0	0.95	23.2	4.4
PHY 525 RF	397	41.6	81.8	1.12	30.7	4.7
PHY 440 W	397	43.8	82.3	1.00	29.3	4.1
FM1740B2RF	392	45.3	82.2	1.01	26.5	4.3
PHY 519 WRF	381	42.1	81.7	1.02	30.9	4.8
SSG CT 310HQ	376	39.1	82.5	1.08	35.6	5.2
BCSX1040B2F	375	37.8	82.7	1.08	27.0	3.9
PHY 375 WRF	374	44.1	81.9	1.02	26.6	4.6
ST 4288B2F	373	39.6	81.7	0.99	24.7	4.2
PHY 485 WRF	363	42.3	82.2	1.02	30.6	4.5
PHY 569 WRF	363	41.8	82.9	1.00	29.8	4.7
NG 4012 B2RF	349	41.4	81.9	1.02	27.8	4.1
BCSX 1010B2F	344	42.7	81.8	1.02	26.5	4.2
DP 1032 B2RF	342	44.6	82.1	1.04	28.8	4.6
NG 4010 B2RF	336	40.5	81.7	1.06	31.3	4.4
NG 8015 B2RF	333	39.7	81.0	1.06	31.0	4.5
FM1773LLB2	324	40.2	81.0	1.05	30.9	4.7
NG 3331 B2RF	318	41.6	81.6	0.99	26.8	4.8
FM 1845LLB2	306	41.2	81.3	1.04	28.4	4.4
PHY 565 WRF	302	41.7	82.4	1.02	31.7	5.0
Average	403	43.2	81.9	1.03	28.8	4.6
LSD 0.10	99	1.3	N.S.[1]	0.06	2.7	0.4
CV %	21.1	2.6	1.2	3.26	5.5	4.8

* 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: April 28, 2010.
Harvested: September 23, 2010
Soil Type: Greenville sandy clay loam.
Fertilization: 100 lb N, 88 lb P_2O_5, and 24 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 104-2
January 2011

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2010

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1160**	48.0	82.8	1.05	29.4	4.7
DP 0949B2RF	**1129**	48.0	82.1	1.02	26.8	4.9
DP 0935 B2RF	**1049**	46.1	81.8	1.01	25.8	4.9
PHY 519 WRF	**1006**	45.2	81.6	1.07	28.5	4.6
DP 1048 B2RF	**976**	46.7	82.0	1.07	26.7	4.8
ST 4288B2F	970	44.0	81.8	1.03	26.1	4.9
DP 1137 B2RF	959	46.4	82.1	1.07	25.8	4.8
FM1740B2RF	958	45.2	80.5	1.03	26.4	4.7
AM 1550 B2RF	957	44.1	81.9	1.03	24.4	4.6
DP 1050 B2RF	953	47.2	83.4	1.07	28.4	4.9
BCSX1040B2F	952	40.6	84.6	1.18	30.5	4.5
DP 1133 B2RF	943	48.1	82.6	1.03	30.3	5.2
GA2004303	935	45.0	81.1	1.04	28.1	4.9
BCSX 1010B2F	933	44.3	80.4	1.03	25.9	4.6
PHY 565 WRF	927	44.8	81.5	1.05	29.3	4.2
GA2004143	925	46.9	81.2	1.07	26.5	5.0
PHY 569 WRF	918	43.8	82.8	1.06	30.1	4.6
DP 1032 B2RF	911	43.3	82.6	1.07	27.8	4.7
ST 5458B2RF	894	42.4	80.8	1.08	27.4	4.7
DP 1034 B2RF	878	46.6	82.9	1.09	27.4	5.1
FM 1845LLB2	872	43.3	82.7	1.12	29.0	4.8
SSG CT 310HQ	836	42.6	80.9	1.03	30.5	4.8
PHY 440 W	827	44.7	81.6	1.01	28.3	4.4
ST 5288B2F	817	44.6	81.6	1.04	25.4	5.1
NG 4010 B2RF	796	42.8	82.1	1.07	29.5	4.6
NG 3331 B2RF	784	44.3	83.0	1.00	28.9	5.2
PHY 525 RF	781	45.0	81.7	1.10	27.6	4.5
PHY 375 WRF	772	44.9	81.6	1.01	27.1	4.4
FM1773LLB2	735	42.5	82.5	1.10	28.4	4.7
10R052B2R2	731	48.5	81.6	1.03	28.5	5.3
PHY 485 WRF	730	44.6	81.8	1.04	28.5	4.4
BCSX1030B2F	701	44.5	80.7	1.03	25.5	4.3
NG 8015 B2RF	689	42.2	81.6	1.05	29.5	4.7
NG 4012 B2RF	649	44.6	81.5	1.05	27.4	4.3
Average	884	44.9	81.9	1.05	27.8	4.7
LSD 0.10	186	0.9	1.1	0.05	1.8	0.4
CV %	17.9	1.8	0.8	2.89	3.9	5.1

* 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: April 27, 2010.
Harvested: September 14, 2010.
Soil Type: Tifton sandy loam.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental
Sciences

Annual Publication 104-2
January 2011

Yield Summary for Dryland Later Maturity Cotton Varieties, 2010

	Lint Yield[a]									
Variety	Athens	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
PHY 499 WRF	**1537** [1]	**1361** [2]	**551** [1]	**1160** [1]	**1152** [1]	46.5	83.1	1.07	31.2	4.8
DP 1050 B2RF	1341 [5]	**1372** [1]	**509** [3T]	953 [10]	1044 [2]	46.7	83.2	1.10	27.7	4.8
DP 1137 B2RF	**1474** [2]	**1181** [9]	**496** [4]	959 [7]	1028 [3]	45.9	82.8	1.08	27.3	4.9
DP 1048 B2RF	1256 [10]	**1261** [4]	**509** [3T]	**976** [5]	1000 [4]	46.3	82.7	1.10	27.4	4.9
PHY 519 WRF	1245 [12]	**1326** [3]	381 [17]	**1006** [4]	990 [5]	43.8	82.2	1.09	30.0	4.9
DP 1034 B2RF	1339 [6]	**1207** [7]	**476** [6]	878 [20]	975 [6]	45.9	82.9	1.10	27.9	4.9
DP 0935 B2RF	1213 [13]	1144 [12]	**483** [5]	**1049** [3]	972 [7]	44.4	81.2	1.05	27.2	5.0
DP 0949B2RF	1132 [21]	**1167** [10]	424 [10]	**1129** [2]	963 [8]	45.5	82.2	1.09	29.6	4.9
10R052B2R2	**1466** [3]	1099 [19]	**528** [2]	731 [30]	956 [9]	47.4	82.9	1.09	28.7	5.1
DP 1133 B2RF	1271 [8]	1131 [14]	**457** [7]	943 [12]	950 [10]	46.1	82.4	1.08	31.3	4.9
ST 5458B2RF	1272 [7]	1120 [18]	417 [12]	894 [19]	926 [11]	43.0	81.7	1.08	28.9	5.0
AM 1550 B2RF	1115 [23]	**1192** [8]	406 [14]	957 [9]	917 [12]	43.8	82.0	1.02	25.6	4.9
PHY 375 WRF	**1389** [4]	1129 [15]	374 [20]	772 [28]	916 [13]	44.6	82.1	1.07	28.3	4.6
DP 1032 B2RF	1251 [11]	**1156** [11]	342 [25]	911 [18]	915 [14]	44.0	82.8	1.11	29.3	4.8
GA2004303	1163 [19]	1139 [13]	420 [11]	935 [13]	914 [15]	43.2	81.9	1.09	30.1	5.0
GA2004143	1175 [18]	1121 [17]	431 [9]	925 [16]	913 [16]	45.9	82.3	1.12	31.2	4.9
BCSX 1010B2F	1259 [9]	1040 [21]	344 [24]	933 [14]	894 [17]	43.2	81.7	1.08	27.8	4.5
ST 5288B2F	1061 [29]	**1253** [5]	442 [8]	817 [24]	893 [18]	43.1	82.1	1.08	27.4	4.9
NG 3331 B2RF	1188 [15]	**1249** [6]	318 [29]	784 [26]	885 [19]	43.5	82.7	1.06	29.2	5.0
FM1740B2RF	1042 [30]	1126 [16]	392 [16]	958 [8]	879 [20]	44.9	81.9	1.06	27.6	4.8
PHY 565 WRF	1185 [16]	1039 [22]	302 [31]	927 [15]	863 [21]	42.2	82.5	1.09	30.9	4.7
PHY 569 WRF	1145 [20]	1020 [24]	363 [22T]	918 [17]	862 [22]	42.2	83.3	1.08	30.4	4.7
ST 4288B2F	1084 [26]	969 [28]	373 [21]	970 [6]	849 [23]	41.2	82.2	1.08	27.5	4.8
PHY 440 W	1181 [17]	936 [32]	397 [15T]	827 [23]	835 [24]	44.5	82.2	1.04	29.6	4.5
PHY 525 RF	1131 [22]	1012 [25]	397 [15T]	781 [27]	830 [25]	42.6	82.7	1.15	30.3	4.5
BCSX1040B2F	1015 [32]	966 [29]	375 [19]	952 [11]	827 [26]	39.8	83.6	1.17	30.3	4.3
PHY 485 WRF	1197 [14]	994 [27]	363 [22T]	730 [31]	821 [27]	43.1	82.7	1.07	29.9	4.7
FM 1845LLB2	1082 [27]	1001 [26]	306 [30]	872 [21]	815 [28]	41.5	82.8	1.14	30.8	4.8
FM1773LLB2	1094 [25]	1043 [20]	324 [28]	735 [29]	799 [29]	41.6	82.0	1.11	31.0	4.9
BCSX1030B2F	1069 [28]	963 [30]	409 [13]	701 [32]	786 [30]	43.7	81.9	1.07	26.4	4.4
SSG CT 310HQ	1029 [31]	887 [33]	376 [18]	836 [22]	782 [31]	40.8	82.6	1.11	33.7	5.0
NG 4010 B2RF	912 [33]	1036 [23]	336 [26]	796 [25]	770 [32]	42.1	82.3	1.09	30.5	4.7
NG 4012 B2RF	1107 [24]	948 [31]	349 [23]	649 [34]	763 [33]	43.3	81.6	1.08	28.8	4.4
NG 8015 B2RF	893 [34]	866 [34]	333 [27]	689 [33]	695 [34]	41.3	81.7	1.07	30.5	4.9
Average	1186	1102	403	884	894	43.8	82.4	1.09	29.2	4.8
LSD 0.10	149	220	99	186	103	1.3	0.8	0.03	1.4	0.3
CV %	10.7	17.1	21.1	17.9	16.2	2.3	1.0	2.92	4.2	5.6

[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).

The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 104-2
January 2011

Two-Year Summary for Dryland Later Maturity Cotton Varieties at Four Locations[a], 2009-2010

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
DP 0949B2RF	**1182**	45.8	83.0	1.12	29.5	5.0
DP 0935 B2RF	**1145**	44.9	82.1	1.08	27.9	5.0
PHY 375 WRF	**1135**	45.3	82.6	1.10	28.7	4.6
ST 5458B2RF	**1129**	44.0	82.1	1.11	29.6	5.0
ST 5288B2F	1093	44.2	82.5	1.11	27.7	5.0
FM 1845LLB2	1069	42.5	83.6	1.17	31.1	4.8
BCSX 1010B2F	1060	43.5	82.4	1.12	28.4	4.7
PHY 485 WRF	1038	43.5	83.0	1.11	29.9	4.8
PHY 440 W	1035	44.1	83.0	1.09	29.6	4.6
PHY 525 RF	948	43.7	83.3	1.16	29.6	4.4
SSG CT 310HQ	916	41.4	83.1	1.13	34.1	4.9
Average	1068	43.9	82.8	1.12	29.6	4.8
LSD 0.10	68	0.4	0.5	0.02	0.8	0.1
CV %	15.4	2.2	1.0	2.24	4.3	4.6

[a] Athens, Midville, Plains, and Tifton.

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