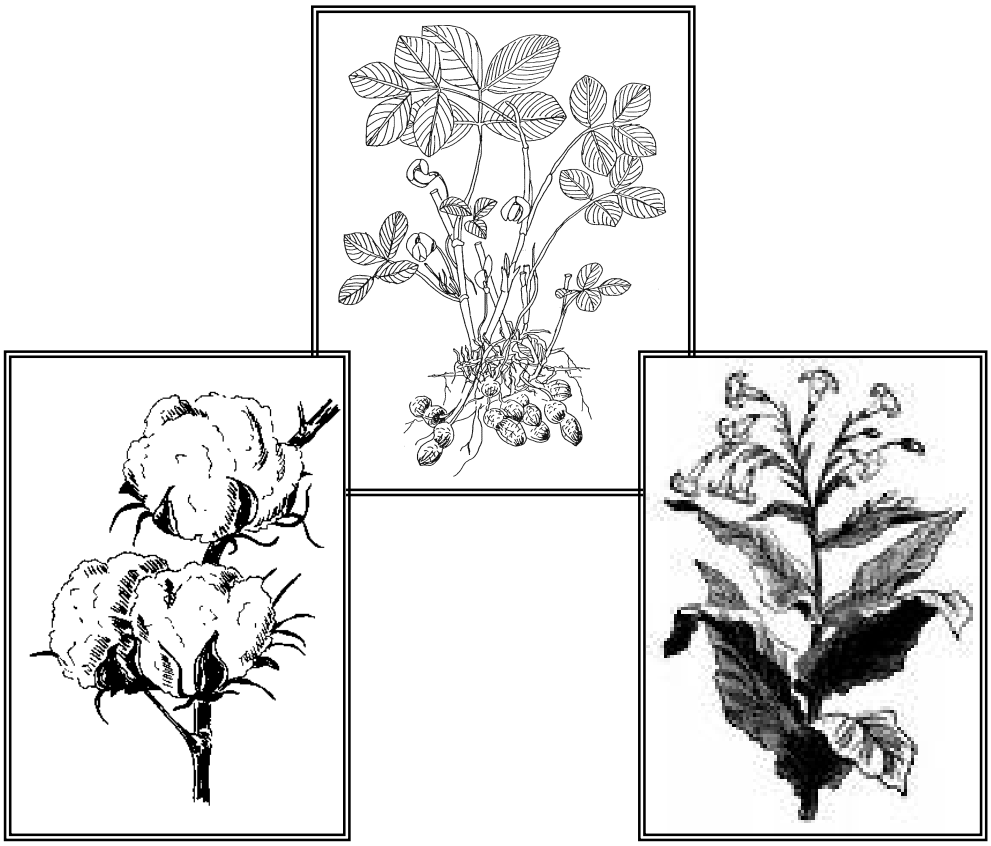
The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 104-2
Reviewed January 2014

G E O R G I A

2010 Peanut, Cotton, and Tobacco Performance Tests

J. LaDon Day, Anton E. Coy, Stevan S. LaHue,
Larry G. Thompson, and John D. Gassett
Editors



Department of Crop and Soil Sciences
Griffin Campus

Conversion Table

U.S. Abbr.	Unit	Approximate Metric Equivalent
	Length	
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft *or* '	foot	30.48 centimeters
in *or* "	inch	2.54 centimeters
	Area	
sq mi *or* mi^2	square mile	2.59 square kilometers
acre	acre	0.405 hectares *or* 4047 square meters
sq ft *or* ft^2	square foot	0.093 square meters
	Volume/Capacity	
gal	gallon	3.785 liters
qt	quart	0.946 liters
pt	pint	0.473 liters
fl oz	fluid ounce	29.573 milliliters or 28.416 cubic centimeters
bu	bushel	35.238 liters
cu ft *or* ft^3	cubic foot	0.028 cubic meters
	Mass/Weight	
ton	ton	0.907 metric ton
lb	pound	0.453 kilogram
oz	ounce	28.349 grams

Metric Abbr.	Unit	Approximate U.S. Equivalent
	Length	
km	kilometer	0.62 mile
m	meter	39.37 inches *or* 1.09 yards
cm	centimeter	0.39 inch
mm	millimeter	0.04 inch
	Area	
ha	hectare	2.47 acres
	Volume/Capacity	
liter	liter	61.02 cubic inches *or* 1.057 quarts
ml	milliliter	0.06 cubic inch *or* 0.034 fluid ounce
cc	cubic centimeter	0.061 cubic inch *or* 0.035 fluid ounce
	Mass/Weight	
MT	metric ton	1.1 tons
kg	kilogram	2.205 pounds
g	gram	0.035 ounce
mg	milligram	3.5×10^{-5} ounce

ISSN 0072-128X

PREFACE

This research report presents the results of the 2010 statewide performance tests of peanut, cotton, and tobacco. The tests for various evaluations were conducted at several or all of the following locations: Bainbridge, Tifton, Plains and Midville in the Coastal Plain region and Athens in the Piedmont region. For identification of the test site locations, consult the map inside the back cover of this report.

Agronomic information such as grade, fiber data, plant height, lodging, disease occurrence, etc. is listed along with the yield data. Information concerning planting and harvest dates, soil type, and culture and fertilization practices used in each trial is included in footnotes.

In order to have a broad base of information, a number of varieties, including experimental lines, are included in the trials, but this does not imply that all are recommended for Georgia. Varieties best suited to a specific area or for a particular purpose, and agreed upon by College of Agricultural and Environmental Sciences agronomists, are presented in the 2011 Spring Planting Schedule for Georgia (available from your county Extension office). Pesticides used for production practices are included for the benefit of the reader and do not imply any endorsement or preferential treatment by the University of Georgia Agricultural Experiment Station. For additional information, contact your local county Extension agent or the nearest experiment station.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing hybrids. If the yields' difference of any two varieties exceeds the LSD value, they can be considered different in yield ability.

This report is one of four publications presenting the 2010 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2010 Corn Performance Tests (Annual Publication 101-2), 2009-2010 Small Grains Performance Tests (Annual Publication 100-2), 2010 Soybean, Sorghum Grain and Silage, Summer Annual Forage and Sunflower Performance Tests (Annual Publication 103-2), and 2009-2010 Canola Performance Tests (www.swvt.uga.edu).

This report, along with performance test information on other crops, is also available at our website, **www.swvt.uga.edu**. Additional information may be obtained by writing J. LaDon Day, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment St., Griffin, GA 30223-1797.

Cooperators

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Contributors

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CONTENTS

2010 PEANUT, COTTON AND TOBACCO PERFORMANCE TESTS

J. LaDon Day, Anton E. Coy, Stevan S. LaHue,
Larry G. Thompson, and John D. Gassett, Editors

The Season

The spring weather of 2010 was again wet and cold, especially during March. Soggy soil conditions challenged land preparation due to the persistent and sometimes torrential rains received in Georgia over the winter; however, producers quickly caught up with sunny and warm weather in early April. Hot, dry conditions returned in June and persisted throughout one of the hottest summers and falls on record.

Rainfall amounts recorded monthly at the five test locations in Georgia during the 2010 growing season are presented in the following table. Seasonal rainfall totals were below normal across all of south Georgia, with extremely hot and dry growing conditions this summer and fall in Plains and surrounding counties. The average rainfall deficit was 25% in the area around Plains, the largest shortage in the state. However, northeast Georgia around Athens and surrounding counties received 18% above normal for the nine-month reporting period.

2010 Rainfall[1]

Month	Athens[2]	Attapulgus[3]	Midville	Plains	Tifton
March	2.86	3.92	2.71	3.61	2.82
April	2.07	7.73	1.82	1.95	4.36
May	6.61	5.46	3.21	5.99	5.96
June	6.27	5.25	4.83	4.72	5.09
July	2.05	2.37	4.58	1.33	1.53
August	9.48	4.06	3.87	2.91	3.32
September	5.58	2.46	2.89	1.85	2.44
October	2.36	2.03	0.62	0.97	0.35
November	4.97	2.46	1.57	2.34	3.53
Total	42.25	35.74	26.10	25.67	29.40
Normal (9 mo)	35.92	41.76	32.06	35.23	33.65

1. Data provided in part by Dr. G. Hoogenboom, Georgia Station, Griffin, GA.
2. Plant Sciences Farm.
3. Attapulgus Research Center is nearest location to the Bainbridge site.

Crop maturity progressed ahead of the 5-year average and harvest conditions for the year were excellent compared to last season. During 2010 peanut producers planted 55,000 more acres than during 2009, an increase of 11%. Cotton farmers seeded 1.33 million acres of cotton during 2010, 33% more than last year. 2010 tobacco producers decreased acreage another 2,400 acres, 17% less than 2009.

J. LaDon Day is program coordinator of the statewide variety testing program and John D. Gassett is a research professional II in the Department of Crop and Soil Sciences, Griffin Campus, Griffin, GA 30223-1797. Anton E. Coy, Stevan S. LaHue, and Larry G. Thompson are senior agricultural specialist, agricultural specialist, and research professional I, respectively, in the Department of Crop and Soil Sciences, Tifton Campus, Tifton, GA 31793-0748.

State peanut yield per acre of 3,400 pounds produced 8% more pounds than during 2009, but 18% less than the 2008 record production of 2.33 billion pounds. Cotton per acre yield in 2010 of 779 pounds was 14% less than 2009 and the least per acre production in Georgia in six years. However, due to increase in cotton acreage (33%) in 2010, bale number produced was the most in four years. Tobacco harvested acres declined 17% from the 2009 acreage, continuing a yearly decline. An increase of 8% in tobacco per acre yield during 2010 was not enough to offset a yearly decline of 11% from the previous year. Thus, a new low yearly tobacco production was set in 2010. Only 24.9 million pounds were produced in 2010, the lowest production in Georgia history dating back to 1899. The previous record low production in Georgia was during the 2005 tobacco crop year (27 million pounds).

PEANUT

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Spanish Types								
GA 082554[1]	09/29	**5520**	74.5	3.5	1.0	.	931	.
GA 082550[1]	09/29	**5282**	73.5	4.0	1.0	.	952	.
GA 082549[1]	09/29	**5178**	76.5	2.0	0.5	.	831	.
GA 082552[1]	09/29	4960	73.5	4.5	0.0	.	980	.
GA 082548[1]	09/29	4825	74.0	3.0	1.0	.	967	.
GA 082553[1]	09/29	4735	76.0	2.0	0.5	.	990	.
GA 082551[1]	09/29	4692	76.0	3.0	0.5	.	893	.
Georgia Browne	09/03	3811	69.5	6.0	0.0	.	1026	.
Georgia-04S	09/03	3633	70.0	6.0	0.0	.	1057	.
Tamnut OL06	08/16	2933	62.0	5.5	0.0	.	995	.
Tamspan 90	08/16	2662	65.0	6.5	0.0	.	1057	.
Pronto	08/16	2460	69.5	5.0	0.0	.	993	.
OLin	08/16	2098	65.5	6.0	0.5	.	1128	.
Spanco	08/16	2018	64.5	7.0	1.0	.	1080	.
Average	09/10	3915 [2]	70.7	4.6	0.4	.	991	.
LSD at 10% Level		410	2.8	1.4	0.8		50	
Std. Err. of Entry Mean		175	1.1	0.6	0.3		20	
Valencia Types								
Georgia Valencia	08/16	2729	58.0	4.5	2.0	.	755	.
Valencia McRan	08/16	2048	59.5	8.0	1.0	.	1111	.
Georgia Red	08/16	2033	62.0	6.5	0.0	.	984	.
N.M. Valencia C	08/16	1991	61.0	8.0	1.0	.	1074	.
H & W Valencia 136	08/16	1951	60.5	7.0	1.5	.	1072	.
N.M. Valencia A	08/16	1638	59.0	8.5	1.5	.	1106	.
Average	08/16	2065 [2]	60.0	7.1	1.2	.	1017	.
LSD at 10% Level		410	2.8	1.4	0.8		50	
Std. Err. of Entry Mean		175	1.1	0.6	0.3		20	

1. Advanced Georgia breeding line.
2. CV = 12.7% and df for EMS = 95.

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

Planted: May 13, 2010.
Seeding Rate: 6 seed/row foot in 36" rows.
Fertilization: 0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test: P = Very High, K = High, and pH = 6.4.
Soil Type: Tift loamy sand.
Previous Crop: Cotton.
Management: Disked, moldboard plowed and rototilled; Sonalan, Basagran, Ultra Blazer and Select used for weed control; Folicur, Provost and Chlorothalonil used for disease control; 800 lb/acre gypsum; irrigated 12 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
GA 072531[1]	09/29	**6454**	72.0	3.0	0.5	.	700	.
GA 072515[1]	09/10	**5930**	72.5	4.5	1.0	.	701	.
Exp. 27-1516[2]	09/10	5827	72.5	3.5	0.0	.	663	.
Georgia-06G	09/10	5746	73.5	4.0	0.0	.	629	.
Florida-07	09/29	5662	72.5	3.0	1.0	.	605	.
C724-19-25[2]	09/10	5447	71.0	4.0	0.5	.	597	.
GA 072523[1]	09/10	5437	73.0	3.5	0.5	.	679	.
Georgia-09B	09/10	5373	74.5	4.0	0.0	.	718	.
Georgia-10T	09/29	5343	76.0	3.5	1.5	.	735	.
Georgia Greener	09/10	5331	74.0	4.0	0.5	.	712	.
Georgia-03L	09/10	5288	67.0	6.0	0.0	.	654	.
FloRun™ '107'	09/29	5150	71.0	5.0	2.0	.	726	.
Georgia Green	09/10	5122	71.0	5.0	0.5	.	815	.
Georgia-07W	09/29	5115	74.0	3.5	1.5	.	633	.
McCloud	09/10	5110	71.0	4.0	0.0	.	652	.
GA 072514[1]	09/10	5072	76.0	4.5	0.0	.	708	.
GA 072716[1]	09/29	4943	73.5	3.5	0.5	.	803	.
AT-215	09/03	4939	71.0	4.5	0.5	.	646	.
Tifguard	09/10	4737	72.5	4.0	0.0	.	629	.
AP-4	09/10	4620	71.0	5.0	0.5	.	656	.
Georgia-02C	09/29	4439	70.5	4.5	3.0	.	798	.
								.
Average	09/16	5290 [3]	72.4	4.1	0.7	.	688	
LSD at 10% Level		615	2.9	1.3	1.3		40	
Std. Err. of Entry Mean		262	1.2	0.5	0.6		16	
Virginia Types								
Georgia-08V	09/10	5631	75.5	2.0	0.5	51.0	510	87.5
CHAMPS	09/03	5281	66.5	3.0	1.5	43.0	489	86.5
Bailey	09/03	5189	68.0	2.5	0.0	42.5	536	83.0
Gregory	09/03	5110	60.5	3.5	2.5	40.0	545	88.0
GA 052533[1]	09/29	5089	65.5	2.5	2.0	49.0	479	83.5
Titan	09/10	5086	63.0	2.5	1.0	47.0	477	86.5
Sugg	09/03	4692	67.0	3.0	0.0	50.0	474	90.5
Florida Fancy	09/10	4558	66.5	2.5	0.5	43.0	527	83.5
Perry	09/03	4556	68.0	3.0	1.0	45.5	503	81.0
Average	09/08	5021 [3]	66.7	2.7	1.0	45.7	504	85.6
LSD at 10% Level		615	2.9	1.3	1.3	2.0	40	4.3
Std. Err. of Entry Mean		262	1.2	0.5	0.6	0.8	16	1.6

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.
3. CV = 12.4% and df for EMS = 145.

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

Planted:	May 13, 2010.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test:	P = Very High, K = High, and pH = 6.4.
Soil Type:	Tift loamy sand.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed and rototilled; Sonalan, Basagran, Ultra Blazer and Select used for weed control; Folicur, Provost and Chlorothalonil used for disease control; 800 lb/acre gypsum; irrigated 12 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
GA 072531[1]	09/29	**5495**	70.5	4.0	0.5	.	778	.
GA 072523[1]	09/29	4606	71.5	4.5	1.0	.	787	.
Exp. 27-1516[2]	09/29	4291	69.0	6.0	1.0	.	710	.
GA 072514[1]	09/29	4248	73.0	5.5	0.5	.	858	.
Georgia-10T	09/29	4056	77.0	2.5	0.5	.	802	.
Georgia-07W	09/29	4024	74.5	3.0	1.0	.	670	.
GA 072716[1]	09/29	4001	69.5	6.5	1.5	.	923	.
Georgia-03L	09/29	3934	69.0	4.5	0.0	.	810	.
Georgia-06G	09/29	3926	73.5	4.5	0.0	.	686	.
Tifguard	09/29	3845	68.0	5.5	0.5	.	699	.
McCloud	09/29	3834	65.5	7.0	2.5	.	713	.
GA 072515[1]	09/29	3784	71.5	6.0	1.5	.	769	.
Georgia-02C	09/29	3679	71.0	5.0	1.5	.	909	.
Florida-07	09/29	3581	68.5	4.5	2.0	.	717	.
AT-215	09/03	3479	68.5	6.0	0.0	.	687	.
FloRun™ '107'	09/29	3348	68.5	5.0	2.0	.	846	.
C724-19-25[2]	09/29	3253	70.0	4.5	1.0	.	658	.
Georgia-09B	09/29	3177	70.5	5.0	1.5	.	781	.
AP-4	09/29	3126	68.0	5.5	0.5	.	703	.
Georgia Greener	09/29	3101	71.0	6.0	0.5	.	757	.
Georgia Green	09/29	2864	70.5	6.0	0.5	.	846	.
Average	09/28	3793 [3]	70.4	5.1	1.0	.	767	.
LSD at 10% Level		568	3.2	2.0	N.S.[4]		60	
Std. Err. of Entry Mean		651	1.4	0.8	0.6		25	
Virginia Types								
Bailey	09/03	4565	68.5	2.5	0.0	40.0	525	84.5
GA 052533[1]	09/29	4505	66.5	3.0	2.0	47.5	504	80.0
Sugg	09/03	4156	65.0	3.5	1.0	45.0	501	87.0
Gregory	09/03	4094	63.0	3.0	1.5	45.5	523	88.0
CHAMPS	09/03	4043	67.0	3.0	0.5	40.5	484	80.5
Perry	09/03	3707	68.0	3.0	0.5	41.0	522	81.5
Georgia-08V	09/29	3616	68.0	1.5	1.5	47.0	466	81.5
Florida Fancy	09/29	3293	64.0	4.0	1.0	42.0	555	80.0
Titan	09/29	2957	62.5	3.0	1.5	42.0	464	87.5
Average	09/15	3882 [3]	65.8	2.9	1.1	43.4	505	83.4
LSD at 10% Level		568	3.2	2.0	N.S.	3.2	61	5.0
Std. Err. of Entry Mean		651	1.4	0.8	0.6	1.3	25	1.9

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Nonirrigated (Continued)

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.
3. CV = 15.6% and df for EMS = 145.
4. 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 13, 2010.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test:	P = High, K = High, and pH = 5.8.
Soil Type:	Tift loamy sand.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed and rototille; Sonalan, Basagran, Ultra Blazer and Select used for weed control; Folicur, Provost and Chlorothalonil used for disease control; 1600 lb/acre gypsum.

Test conducted by A. Coy, R. Brooke and D. Dunn.

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Exp. 27-1516[2]	10/01	**4641**	72.0	2.5	1.0	.	665	.
Georgia-06G	10/01	**4594**	73.0	2.5	0.5	.	666	.
GA 072515[1]	10/01	**4589**	74.5	2.5	1.5	.	733	.
Georgia Greener	10/01	4517	74.5	2.0	0.5	.	675	.
GA 072523[1]	10/01	4492	73.0	2.5	1.0	.	734	.
Georgia-03L	10/01	4488	71.5	3.0	0.5	.	669	.
GA 072716[1]	10/08	4443	71.0	5.0	0.0	.	839	.
Georgia-09B	10/01	4427	71.0	2.5	0.5	.	724	.
Georgia Green	10/01	4415	74.0	2.5	0.5	.	764	.
GA 072531[1]	10/08	4391	67.5	5.0	0.5	.	759	.
Tifguard	10/01	4388	72.0	3.0	0.0	.	632	.
Georgia-02C	10/08	4305	69.5	4.5	0.0	.	747	.
McCloud	10/01	4284	69.5	3.0	1.5	.	634	.
GA 072514[1]	10/01	4220	76.5	2.5	1.0	.	731	.
FloRun™ '107'	10/08	4204	70.5	5.0	0.0	.	740	.
AP-4	10/01	4177	72.5	2.5	0.5	.	665	.
Florida-07	10/08	4161	70.5	4.0	1.0	.	627	.
C724-19-25[2]	10/01	4122	71.0	4.5	0.5	.	600	.
Georgia-07W	10/08	4076	74.0	2.0	0.0	.	652	.
Georgia-10T	10/08	4076	72.5	4.5	0.0	.	707	.
AT-215	09/17	3776	70.0	4.0	1.0	.	626	.
Average	10/03	4323 [3]	71.9	3.3	0.6	.	695	.
LSD at 10% Level		603	3.2	1.9	1.6		66	
Std. Err. of Entry Mean		258	1.4	0.8	0.7		16	
Virginia Types								
Georgia-08V	10/01	**5192**	71.5	1.0	2.0	59.5	457	89.0
Florida Fancy	10/01	**4941**	64.0	2.0	3.5	41.0	571	79.0
GA 052533[1]	10/08	**4617**	70.5	2.0	0.5	48.0	527	66.0
Bailey	09/17	4571	66.0	3.5	0.5	37.0	522	89.0
CHAMPS	09/17	4265	66.5	2.0	1.5	40.0	495	90.0
Gregory	09/17	4106	65.5	1.5	1.5	51.5	504	91.5
Sugg	09/17	3636	65.0	3.0	2.0	41.5	524	85.5
Titan	10/01	3556	57.5	2.5	4.0	41.0	473	87.5
Perry	09/17	3437	69.0	1.0	2.5	47.0	516	87.5
Average	09/24	4258 [3]	66.2	2.1	2.0	45.2	510	85.0
LSD at 10% Level		603	3.2	1.9	1.6	6.6	66	6.7
Std. Err. of Entry Mean		258	1.4	0.8	0.7	2.8	16	2.6

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.
3. CV = 14.7% and df for EMS = 145.

Planted:	May 14, 2010.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5 and 0 lb K_2O/acre.
Soil Test:	P = Medium, K = Very High, and pH = 5.8.
Soil Type:	Greenville sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed and rototilled; Sonolan, Dual Magnum and Strongarm used for weed control; Lorsban, Lannate and Tracer used for insect control; Bravo and Provost used for disease control; irrigated 3 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%

Peanut varieties were planted at this location on May 14, 2010 in a nonirrigated test. However, extensive damage from lack of rainfall, high temperatures and droughty growing conditions, especially during August, September and October, caused very low yields and considerable variation in performance among varieties within the test. After careful analysis and review of the data, it is the opinion of the editors that the results of this trial may not accurately reflect the performance potential of all test entries. Since this data could be misleading if used in making decisions concerning variety selection, we have chosen not to present the results in this publication.

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.

Planted:	May 14, 2010.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5 and 0 lb K_2O/acre.
Soil Test:	P = Medium, K = Very High, and pH = 5.8.
Soil Type:	Greenville sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed and rototilled; Sonolan, Dual Magnum and Strongarm used for weed control; Lorsban, Lannate and Tracer used for insect control; Bravo and Provost used for disease control.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia-10T	10/08	**6388**	76.0	2.5	1.0	.	677	.
Georgia-09B	10/08	6251	71.5	4.0	1.5	.	715	.
GA 072515[1]	10/08	6251	74.0	4.5	1.0	.	734	.
GA 072716[1]	10/08	6216	71.0	5.0	0.5	.	797	.
GA 072523[1]	10/08	6196	74.5	4.5	0.5	.	686	.
GA 072531[1]	10/08	6167	70.0	4.5	0.5	.	721	.
Georgia-07W	10/08	6165	72.0	4.5	1.0	.	695	.
McCloud	10/08	6159	71.5	4.0	1.0	.	654	.
Georgia Greener	10/08	6044	74.5	3.0	1.0	.	701	.
Florida-07	10/08	6038	69.5	4.5	1.5	.	658	.
Georgia-06G	10/08	6001	74.0	3.5	1.0	.	627	.
FloRun™ '107'	10/08	5911	69.0	6.5	0.5	.	754	.
C724-19-25[2]	10/08	5801	70.0	4.0	0.5	.	667	.
GA 072514[1]	10/08	5689	75.5	4.0	0.5	.	743	.
Georgia-03L	10/08	5576	69.0	4.5	1.0	.	711	.
Exp. 27-1516[2]	10/08	5512	72.5	4.0	0.5	.	654	.
Georgia-02C	10/08	5323	71.0	5.0	0.0	.	769	.
Tifguard	10/08	5227	71.0	4.0	0.5	.	667	.
AP-4	10/08	5190	70.5	5.5	1.0	.	693	.
Georgia Green	10/08	5039	69.0	6.0	1.5	.	752	.
AT-215	09/17	4705	71.0	5.0	1.0	.	668	.
Average	10/07	5802 [3]	71.8	4.4	0.8	.	702	.
LSD at 10% Level		512	3.0	1.6	1.4		58	
Std. Err. Of Entry Mean		219	1.2	0.7	0.6		24	
Virginia Types								
Georgia-08V	10/08	**6808**	69.5	2.5	4.0	46.5	490	76.5
GA 052533[1]	10/08	**6492**	69.5	2.0	1.5	48.5	508	67.5
Florida Fancy	10/08	5603	68.0	3.0	2.0	39.5	608	69.0
Bailey	09/17	5565	69.0	2.0	1.0	43.0	540	85.0
CHAMPS	09/17	5058	67.0	3.5	1.0	44.5	512	84.0
Titan	10/08	5041	64.5	3.0	1.5	45.0	509	81.0
Sugg	09/17	4981	68.0	2.0	3.0	48.0	488	87.0
Perry	09/17	4887	66.5	3.5	1.5	42.5	473	82.0
Gregory	09/17	3568	66.0	3.0	1.0	42.0	512	80
Average	09/26	5334 [3]	67.6	2.7	1.8	44.4	515	79.1
LSD at 10% Level		512	3.0	1.6	1.4	1.4	58	4.3
Std. Err. Of Entry Mean		219	1.2	0.7	0.6	0.6	24	1.6

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.
3. CV = 9.4% and df for EMS = 145.

Planted:	May 18, 2010.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test:	P = Very High, K = High, and pH = 6.4.
Soil Type:	Tift loamy sand
Previous Crop:	Corn.
Management:	Disked, moldboard plowed and rototilled; Acumen, Dual Magnum, Valor, Gramoxone, Storm, Butyrac and Basagran used for weed control; Intrepid used for insect control; Chlorothanlonil, Bravo, Folicur and Topsin used for disease control; 1000 lb/acre gypsum; irrigated 6 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn and A. Black.

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia-09B	09/17	**5273**	70.0	5.0	0.5	.	715	.
Exp. 27-1516[2]	09/17	4716	70.0	5.0	0.0	.	685	.
GA 072531[1]	09/17	4716	69.0	5.0	0.0	.	789	.
Georgia-06G	09/17	4666	72.5	4.0	0.5	.	666	.
AT-215	09/17	4662	71.5	3.0	1.5	.	645	.
FloRun™ '107'	09/17	4626	71.0	6.0	0.0	.	766	.
Georgia Green	09/17	4594	69.5	5.0	1.0	.	778	.
Georgia Greener	09/17	4555	73.0	4.5	0.5	.	690	.
GA 072716[1]	09/17	4553	72.0	5.0	0.0	.	811	.
Florida-07	09/17	4520	70.0	5.0	0.0	.	646	.
Georgia-07W	09/17	4498	73.0	4.5	0.0	.	713	.
Georgia-03L	09/17	4485	69.5	4.0	1.5	.	712	.
AP-4	09/17	4458	71.0	5.0	0.5	.	711	.
McCloud	09/17	4411	70.5	6.0	0.5	.	731	.
GA 072514[1]	09/17	4322	74.0	4.5	0.0	.	755	.
GA 072523[1]	09/17	4285	72.0	5.5	0.5	.	739	.
Georgia-02C	09/17	4210	70.5	6.0	0.0	.	787	.
GA 072515[1]	09/17	4177	73.5	5.0	0.0	.	739	.
Tifguard	09/17	4079	73.0	3.5	0.0	.	675	.
C724-19-25[2]	09/17	3876	70.5	5.5	0.0	.	691	.
Georgia-10T	09/17	3528	67.5	7.0	0.0	.	732	.
Average	09/17	4438 [3]	71.1	5	0.3	.	722	.
LSD at 10% Level		535	3.7	1.9	1.7		87	
Std. Err. Of Entry Mean		229	1.5	0.8	0.7		36	
Virginia Types								
Gregory	09/17	**5042**	66.5	2.0	3.5	41.0	499	78.0
Titan	09/17	**4930**	66.0	2.5	0.5	40.0	594	76.0
Georgia-08V	09/17	**4814**	71.0	2.0	1.5	46.5	597	77.0
Florida Fancy	09/17	4476	67.0	3.0	4.0	36.5	582	65.5
GA 052533[1]	09/17	4308	66.5	4.0	0.0	37.5	543	51.0
CHAMPS	09/17	4264	70.0	2.0	1.0	45.5	465	82.0
Sugg	09/17	4191	71.0	4.5	0.5	49.0	591	55
Perry	09/17	4052	69.5	2.0	0.0	40.0	532	77.5
Bailey	09/17	4038	70.5	4.0	1.5	48.0	607	56.5
Average	09/17	4457 [3]	68.7	2.9	1.4	42.7	556	68.7
LSD at 10% Level		535	3.7	1.9	1.7	4.5	87	N.S.[4]
Std. Err. Of Entry Mean		229	1.5	0.8	0.7	1.4	36	13.5

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2010, Nonirrigated (Continued)

1. Advanced Georgia breeding line.
2. Advanced USDA breeding line.
3. CV = 12.6% and df for EMS = 145.
4. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

Planted:	May 19, 2010.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test:	P = High, K = Very High, and pH = 6.4.
Soil Type:	Tift loamy sand
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed and rototilled; Acumen, Dual Magnum, Valor, Gramoxone, Storm and Butyrac used for weed control; Intrepid used for insect control; Chlorothanlonil, Bravo, Folicur and Topsin used for disease control; 1000 lb/acre gypsum.

Test conducted by A. Coy, R. Brooke, D. Dunn and A. Black.

COTTON

Bainbridge, Georgia:
Earlier Maturity Cotton Variety Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1830**	46.4	84.6	1.14	33.5	4.9
DP 1028 B2RF	**1742**	46.4	84.4	1.17	31.0	5.1
DP 0912 B2RF	**1714**	44.1	83.9	1.11	31.6	5.1
DP 1032 B2RF	**1672**	44.6	83.3	1.17	31.8	4.8
DP 0924 B2RF	**1662**	41.8	83.4	1.14	31.3	4.5
Dyna-Gro 2570B2RF	**1645**	43.1	84.3	1.14	31.0	4.8
NG 3331 B2RF	1597	42.6	83.9	1.11	31.3	5.1
DG10612 B2RF	1555	44.7	85.7	1.21	33.1	5.0
FM1740B2RF	1544	43.7	84.2	1.15	30.5	4.9
NG 4012 B2RF	1538	42.6	83.1	1.16	33.9	4.6
DG10624 B2RF	1523	43.0	84.6	1.19	32.1	4.7
AM 1550 B2RF	1516	41.6	83.3	1.13	29.9	4.5
All-Tex 7A21	1513	42.7	83.8	1.18	32.1	4.4
CG3035RF	1509	44.4	83.6	1.13	31.2	4.6
GA2007095	1487	42.9	84.3	1.19	32.4	4.6
PHY 375 WRF	1472	43.2	84.0	1.16	30.7	4.3
DP 0920 B2RF	1468	44.1	83.7	1.15	29.1	4.3
CG3220B2RF	1461	41.4	84.8	1.17	30.7	4.5
All-Tex LA122	1444	44.5	84.6	1.17	30.2	4.4
SSG CT Linwood	1441	43.5	83.9	1.12	34.1	5.3
GA2006053	1437	40.1	84.4	1.20	29.9	4.9
PHY 367 WRF	1413	42.0	83.9	1.18	31.9	4.1
CG4020B2RF	1405	40.8	85.0	1.20	30.7	4.1
ST 4288B2F	1366	40.4	83.4	1.15	30.1	4.6
CG3020B2RF	1364	40.1	84.4	1.13	30.1	4.1
NG 4010 B2RF	1333	40.3	83.9	1.18	32.9	4.5
NG 8015 B2RF	1268	40.5	83.7	1.17	33.8	5.1
All-Tex A102	1260	40.7	83.7	1.20	30.8	4.2
GA2006106	1192	40.9	85.2	1.22	34.8	4.6
CG3520B2RF	1177	40.7	84.6	1.17	29.1	4.2
Average	1485	42.6	84.1	1.16	31.5	4.6
LSD 0.10	220	0.8	1.0	0.03	1.6	0.5
CV %	12.6	1.6	0.7	1.42	2.9	6.1

* 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 17, 2010.
Harvested: November 1, 2010.
Soil Type: Bonnaeu blanton loamy sand.
Fertilization: 153 lb N, 158 lb P_2O_5, and 159 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.40	2.40	3.20	1.60	1.60	0.0

Trials conducted by Larry Thompson.

Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2222**	44.5	85.5	1.16	31.1	4.8
DP 0912 B2RF	**2097**	42.1	83.4	1.13	29.3	5.0
DP 0920 B2RF	**2086**	43.1	84.3	1.17	27.0	4.6
DP 0924 B2RF	**2054**	43.2	82.3	1.14	29.3	4.9
DP 1032 B2RF	**2048**	46.8	83.9	1.17	28.8	4.6
DP 1028 B2RF	1998	47.0	84.2	1.19	29.6	4.6
PHY 375 WRF	1992	43.5	85.1	1.17	28.4	4.5
GA2006053	1977	39.7	83.5	1.21	27.8	4.5
FM1740B2RF	1943	41.9	83.5	1.18	28.4	4.6
AM 1550 B2RF	1939	44.7	83.6	1.14	27.5	4.5
CG3220B2RF	1885	40.2	84.6	1.20	30.0	4.7
NG 3331 B2RF	1867	41.9	84.7	1.16	31.4	4.7
GA2007095	1863	40.6	86.0	1.27	31.0	4.4
Dyna-Gro 2570B2RF	1828	42.5	84.5	1.17	29.4	4.7
All-Tex LA122	1807	43.5	84.8	1.20	27.7	4.2
CG3035RF	1758	42.3	85.0	1.16	30.8	4.3
GA2006106	1757	41.0	83.6	1.25	32.1	4.2
PHY 367 WRF	1737	41.8	83.9	1.18	30.7	4.3
NG 4010 B2RF	1736	40.5	83.2	1.21	30.8	4.3
All-Tex 7A21	1713	43.2	85.5	1.24	30.3	3.9
CG4020B2RF	1699	41.5	84.1	1.21	29.2	4.2
CG3020B2RF	1670	39.4	84.3	1.13	25.6	4.1
ST 4288B2F	1665	37.6	83.9	1.21	28.5	4.5
All-Tex A102	1658	42.0	83.1	1.17	29.3	4.2
NG 4012 B2RF	1651	41.2	84.0	1.20	30.8	4.2
NG 8015 B2RF	1633	40.9	84.1	1.21	32.8	4.5
CG3520B2RF	1589	41.9	83.7	1.17	25.8	4.4
SSG CT Linwood	1542	42.1	84.6	1.14	32.3	4.7
Average	1836	42.2	84.2	1.18	29.5	4.4
LSD 0.10	211	1.2	0.9	0.04	2.2	0.4
CV %	9.8	2.4	0.6	2.14	4.4	5.5

* 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 7, 2010.
Harvested: October 4, 2010.
Soil Type: Tifton sandy loam.
Fertilization: 100 lb N, 115 lb P_2O_5, and 30 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.50	1.75	2.25	1.75	0.75

Trials conducted by Larry Thompson.

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 367 WRF	**1561**	43.4	83.9	1.18	31.2	4.0
PHY 499 WRF	**1453**	44.3	85.2	1.16	33.6	4.5
NG 3331 B2RF	**1428**	43.3	83.3	1.11	34.1	5.1
DP 0912 B2RF	**1428**	41.2	83.5	1.12	30.4	4.9
AM 1550 B2RF	**1418**	42.8	83.7	1.10	29.2	4.7
DP 1032 B2RF	**1397**	43.7	83.5	1.19	32.1	4.8
CG3035RF	**1397**	44.1	84.7	1.16	31.4	4.8
FM1740B2RF	**1396**	43.9	83.4	1.13	32.4	4.7
All-Tex 7A21	**1386**	44.3	84.7	1.19	33.8	4.6
GA2007095	**1382**	40.9	84.1	1.20	31.6	4.2
ST 4288B2F	**1373**	40.0	82.5	1.12	28.7	4.7
NG 4010 B2RF	1354	43.6	83.5	1.17	32.8	4.7
DP 1028 B2RF	1346	45.1	84.4	1.15	30.1	4.8
DP 0920 B2RF	1341	42.2	83.6	1.16	30.0	4.6
DP 0924 B2RF	1320	42.7	83.4	1.13	31.9	5.0
CG3520B2RF	1313	40.8	83.9	1.17	28.7	4.3
GA2006053	1291	39.7	83.8	1.20	30.6	4.3
All-Tex LA122	1269	42.8	84.6	1.21	31.0	4.4
Dyna-Gro 2570B2RF	1262	39.9	83.5	1.17	31.1	4.7
CG3220B2RF	1255	41.9	84.4	1.15	32.0	4.8
All-Tex A102	1238	41.0	84.8	1.20	31.7	4.3
PHY 375 WRF	1231	43.4	83.7	1.17	31.6	4.3
NG 4012 B2RF	1214	40.9	84.0	1.19	35.4	4.1
CG4020B2RF	1195	40.9	84.1	1.22	29.1	4.3
SSG CT Linwood	1188	41.6	84.0	1.14	35.1	4.8
NG 8015 B2RF	1146	39.8	82.3	1.14	34.9	4.5
CG3020B2RF	1145	39.8	83.5	1.11	29.1	3.8
GA2006106	1122	40.9	84.4	1.23	33.4	4.5
Average	1316	42.1	83.9	1.16	31.7	4.5
LSD 0.10	190	1.1	N.S.[1]	0.04	1.7	0.3
CV %	12.2	2.3	1.2	1.98	3.1	4.3

* 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 24, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.0	0.0	4.0	2.0	0.0

Trials conducted by Larry Thompson.

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 0912 B2RF	**1804**	42.5	83.4	1.10	30.4	4.9
ST 4288B2F	**1798**	43.0	82.6	1.14	28.6	4.8
SSG CT Linwood	**1797**	44.7	82.8	1.11	31.6	5.2
PHY 499 WRF	**1792**	48.1	84.3	1.11	31.9	5.1
Dyna-Gro 2570B2RF	**1778**	44.1	83.7	1.13	29.7	4.7
GA2007095	**1740**	43.2	84.6	1.15	31.3	4.6
FM1740B2RF	**1736**	43.7	83.3	1.13	29.8	4.6
DP 1028 B2RF	**1693**	45.4	84.5	1.14	29.9	4.8
CG3220B2RF	**1692**	41.8	84.5	1.15	32.2	4.9
PHY 375 WRF	**1675**	45.7	83.0	1.12	31.0	4.5
DP 0924 B2RF	**1657**	44.7	83.4	1.08	29.5	5.3
All-Tex A102	**1637**	42.1	84.2	1.16	29.6	4.9
PHY 367 WRF	**1626**	43.1	82.6	1.16	30.9	4.1
AM 1550 B2RF	**1610**	43.3	82.7	1.12	27.3	4.7
All-Tex LA122	**1576**	44.5	84.4	1.14	30.1	4.6
CG3035RF	**1570**	44.1	84.6	1.11	31.6	4.8
DP 0920 B2RF	1541	44.7	84.6	1.11	28.1	5.1
DP 1032 B2RF	1503	46.3	84.3	1.17	30.9	4.8
All-Tex 7A21	1500	44.9	84.0	1.14	31.1	4.5
NG 3331 B2RF	1497	44.2	83.6	1.11	30.5	5.2
GA2006106	1496	42.6	84.6	1.19	34.2	4.6
CG3020B2RF	1494	42.7	84.3	1.12	28.2	4.5
GA2006053	1460	40.3	83.0	1.15	28.9	4.9
NG 4012 B2RF	1455	43.4	82.7	1.16	32.0	4.5
CG3520B2RF	1429	40.8	83.3	1.14	27.4	4.6
CG4020B2RF	1395	42.5	83.6	1.13	28.4	4.5
NG 8015 B2RF	1338	42.7	84.2	1.15	32.9	4.6
NG 4010 B2RF	1310	43.7	83.7	1.15	30.3	4.6
Average	1593	43.7	83.7	1.13	30.3	4.7
LSD 0.10	259	1.2	1.3	0.03	2.8	0.4
CV %	13.8	2.4	0.9	1.56	5.3	5.3

* 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 15, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.30	4.20	1.00	0.00

Trials conducted by Larry Thompson.

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance
including Micro-Gina Quality Data, 2010, Irrigated

Variety	Lint Yield	MG[1] Lint Yield	Lint	MG[1] Lint	Unif. Index[2]	MG[1] Unif. Index	Length[2]	MG[1] Length	Strength[2]	MG[1] Strength*	Mic.[2]	MG[1] Mic.
	lb/acre	lb/acre	%	%	%	%	inches	inches	g/tex	g/tex	units	units
All-Tex 7A21	1500	1318	44.9	39.4	84.0	81.9	1.14	1.16	31.1	28.1	4.5	4.7
All-Tex A102	**1637**	**1400**	42.1	36.0	84.2	81.6	1.16	1.14	29.6	27.3	4.9	4.4
All-Tex LA122	**1576**	**1419**	44.5	40.1	84.4	82.1	1.14	1.13	30.1	25.6	4.6	4.7
AM 1550 B2RF	**1610**	**1443**	43.3	38.7	82.7	81.3	1.12	1.07	27.3	24.0	4.7	4.8
CG3020B2RF	1494	1239	42.7	35.5	84.3	82.0	1.12	1.10	28.2	25.4	4.5	4.4
CG3035RF	**1570**	**1415**	44.1	39.8	84.6	82.0	1.11	1.10	31.6	27.3	4.8	4.9
CG3220B2RF	**1692**	**1552**	41.8	38.4	84.5	81.8	1.15	1.12	32.2	25.9	4.9	4.9
CG3520B2RF	1429	1263	40.8	36.1	83.3	82.3	1.14	1.11	27.4	25.2	4.6	4.6
CG4020B2RF	1395	1210	42.5	36.8	83.6	82.5	1.13	1.13	28.4	26.2	4.5	4.5
DP 0912 B2RF	**1804**	**1564**	42.5	36.9	83.4	81.9	1.10	1.06	30.4	26.2	4.9	5.0
DP 0920 B2RF	1541	**1378**	44.7	40.0	84.6	81.8	1.11	1.09	28.1	25.3	5.1	5.1
DP 0924 B2RF	**1657**	**1388**	44.7	37.5	83.4	80.6	1.08	1.09	29.5	25.9	5.3	5.1
DP 1028 B2RF	**1693**	**1566**	45.4	42.0	84.5	82.4	1.14	1.10	29.9	26.9	4.8	5.1
DP 1032 B2RF	1503	1320	46.3	40.6	84.3	81.6	1.17	1.13	30.9	26.7	4.8	4.9
Dyna-Gro 2570B2RF	**1778**	**1575**	44.1	39.0	83.7	82.2	1.13	1.12	29.7	26.3	4.7	4.9
FM1740B2RF	**1736**	**1522**	43.7	38.2	83.3	81.5	1.13	1.09	29.8	27.3	4.6	4.7
GA2006053	1460	1319	40.3	36.5	83.0	81.5	1.15	1.14	28.9	26.3	4.9	4.7
GA2006106	1496	1312	42.6	37.5	84.6	82.2	1.19	1.16	34.2	29.6	4.6	4.5
GA2007095	**1740**	**1543**	43.2	38.3	84.6	81.6	1.15	1.13	31.3	26.1	4.6	4.7
NG 3331 B2RF	1497	1267	44.2	37.4	83.6	81.7	1.11	1.07	30.5	27.8	5.2	5.3
NG 4010 B2RF	1310	1132	43.7	37.8	83.7	81.7	1.15	1.14	30.3	27.9	4.6	4.8
NG 4012 B2RF	1455	1304	43.4	39.0	82.7	81.1	1.16	1.13	32.0	27.4	4.5	4.6
NG 8015 B2RF	1338	1141	42.7	36.4	84.2	82.0	1.15	1.11	32.9	29.1	4.6	5.0
PHY 367 WRF	**1626**	**1453**	43.1	38.6	82.6	82.4	1.16	1.15	30.9	28.0	4.1	4.5
PHY 375 WRF	**1675**	**1435**	45.7	39.2	83.0	81.3	1.12	1.11	31.0	25.8	4.5	4.6
PHY 499 WRF	**1792**	**1511**	48.1	40.5	84.3	82.4	1.11	1.09	31.9	29.2	5.1	5.0
SSG CT Linwood	**1797**	**1510**	44.7	37.6	82.8	81.8	1.11	1.08	31.6	29.1	5.2	5.4
ST 4288B2F	**1798**	**1485**	43.0	35.6	82.6	80.7	1.14	1.12	28.6	24.9	4.8	4.9
Average	1593	1392	43.7	38.2	83.7	81.8	1.13	1.11	30.3	26.8	4.7	4.8
LSD 0.10	259	220	1.2	0.6	1.3	N.S.[3]	0.03	0.03	2.8	1.5	0.4	0.2
CV %	13.8	13.4	2.4	1.4	0.9	0.8	1.56	1.51	5.3	3.2	5.3	2.5

1. Micro-Gin quality samples are from total seed cotton harvested from each plot.
2. A random quality sample was taken on the picker during cotton harvest.
3. 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 27, 2010.
Harvested: September 15, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.30	4.20	1.00	0.00

Trials conducted by Larry Thompson.

Yield Summary for Earlier Maturity Cotton Varieties, 2010, Irrigated

Variety	Lint Yield[a] Bainbridge	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
PHY 499 WRF	**1830** [1]	**2222** [1]	**1453** [2]	**1792** [4]	**1824** [1]	45.8	84.9	1.14	32.5	4.8
DP 0912 B2RF	**1714** [3]	**2097** [2]	**1428** [3T]	**1804** [1]	**1761** [2]	42.5	83.5	1.11	30.4	4.9
DP 1028 B2RF	**1742** [2]	1998 [6]	1346 [11]	**1693** [8]	**1695** [3]	46.0	84.3	1.16	30.1	4.8
DP 0924 B2RF	**1662** [5]	**2054** [4]	1320 [13]	**1657** [11]	1673 [4]	43.1	83.1	1.12	30.5	4.9
FM1740B2RF	1544 [9]	1943 [9]	**1396** [6]	**1736** [7]	1655 [5T]	43.3	83.6	1.14	30.3	4.7
DP 1032 B2RF	**1672** [4]	**2048** [5]	**1397** [5T]	1503 [18]	1655 [5T]	45.3	83.7	1.17	30.9	4.7
Dyna-Gro 2570B2RF	**1645** [6]	1828 [14]	1262 [17]	**1778** [5]	1628 [6]	42.4	84.0	1.15	30.3	4.7
AM 1550 B2RF	1516 [12]	1939 [10]	**1418** [4]	**1610** [14]	1621 [7]	43.1	83.3	1.12	28.5	4.6
GA2007095	1487 [15]	1863 [13]	**1382** [8]	**1740** [6]	1618 [8]	41.9	84.7	1.20	31.6	4.4
DP 0920 B2RF	1468 [17]	**2086** [3]	1341 [12]	1541 [17]	1609 [9]	43.5	84.0	1.15	28.5	4.6
NG 3331 B2RF	1597 [7]	1867 [12]	**1428** [3T]	1497 [20]	1597 [10]	43.0	83.9	1.12	31.8	5.0
PHY 375 WRF	1472 [16]	1992 [7]	1231 [20]	**1675** [10]	1592 [11]	44.0	83.9	1.15	30.4	4.4
PHY 367 WRF	1413 [22]	1737 [18]	**1561** [1]	**1626** [13]	1584 [12]	42.6	83.5	1.17	31.1	4.1
CG3220B2RF	1461 [18]	1885 [11]	1255 [18]	**1692** [9]	1573 [13]	41.3	84.5	1.17	31.2	4.7
CG3035RF	1509 [14]	1758 [16]	**1397** [5T]	**1570** [16]	1559 [14]	43.7	84.5	1.14	31.2	4.6
ST 4288B2F	1366 [24]	1665 [23]	**1373** [9]	**1798** [2]	1550 [15]	40.3	83.1	1.15	29.0	4.6
GA2006053	1437 [21]	1977 [8]	1291 [15]	1460 [23]	1541 [16]	40.0	83.6	1.19	29.3	4.6
All-Tex 7A21	1513 [13]	1713 [20]	**1386** [7]	1500 [19]	1528 [17]	43.8	84.5	1.19	31.8	4.3
All-Tex LA122	1444 [19]	1807 [15]	1269 [16]	**1576** [15]	1524 [18]	43.8	84.6	1.18	29.7	4.4
SSG CT Linwood	1441 [20]	1542 [28]	1188 [23]	**1797** [3]	1492 [19]	43.0	83.8	1.12	33.3	5.0
NG 4012 B2RF	1538 [10]	1651 [25]	1214 [21]	1455 [24]	1465 [20]	42.0	83.4	1.18	33.0	4.3
All-Tex A102	1260 [28]	1658 [24]	1238 [19]	**1637** [12]	1448 [21]	41.4	83.9	1.18	30.3	4.4
NG 4010 B2RF	1333 [26]	1736 [19]	1354 [10]	1310 [28]	1433 [22]	42.0	83.6	1.17	31.7	4.5
CG4020B2RF	1405 [23]	1699 [21]	1195 [22]	1395 [26]	1424 [23]	41.4	84.2	1.19	29.3	4.2
CG3020B2RF	1364 [25]	1670 [22]	1145 [25]	1494 [22]	1418 [24]	40.5	84.1	1.12	28.2	4.1
GA2006106	1192 [29]	1757 [17]	1122 [26]	1496 [21]	1392 [25]	41.3	84.4	1.22	33.6	4.5
CG3520B2RF	1177 [30]	1589 [27]	1313 [14]	1429 [25]	1377 [26]	41.1	83.9	1.16	27.7	4.4
NG 8015 B2RF	1268 [27]	1633 [26]	1146 [24]	1338 [27]	1346 [27]	41.0	83.6	1.17	33.6	4.7
DG10612 B2RF	1555 [8]	.	.	.	.	.	.	.	.	.
DG10624 B2RF	1523 [11]	.	.	.	.	.	.	.	.	.
Average	1485	1836	1316	1593	1557	42.6	83.9	1.16	30.7	4.6
LSD 0.10	220	211	190	259	140	1.3	0.7	0.02	1.0	0.2
CV %	12.6	9.8	12.2	13.8	12.1	2.2	0.9	1.80	4.0	5.4

[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 Earlier Maturity Cotton Varieties at Four Locations[a], 2009-2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
FM1740B2RF	**1844**	43.8	83.6	1.16	28.8	4.4
DP 0912 B2RF	**1839**	42.8	83.8	1.13	29.8	4.8
DP 0920 B2RF	**1818**	44.2	84.0	1.17	27.5	4.5
Dyna-Gro 2570B2RF	**1815**	43.5	83.8	1.16	28.9	4.6
DP 0924 B2RF	1760	43.3	83.6	1.14	29.3	4.7
PHY 367 WRF	1726	43.2	83.9	1.19	29.7	4.1
GA2006053	1725	41.2	83.9	1.19	28.6	4.5
AM 1550 B2RF	1711	43.5	83.6	1.14	26.9	4.4
CG3220B2RF	1707	42.2	84.3	1.18	28.9	4.6
SSG CT Linwood	1683	43.5	84.0	1.14	31.7	4.9
ST 4288B2F	1672	40.8	83.6	1.18	28.2	4.7
PHY 375 WRF	1667	44.0	83.8	1.16	28.9	4.2
NG 3331 B2RF	1649	43.1	84.0	1.13	30.4	4.8
CG3035RF	1631	44.1	84.2	1.16	29.3	4.3
All-Tex A102	1605	41.9	83.9	1.18	29.0	4.2
CG4020B2RF	1555	41.8	84.2	1.20	27.5	4.1
CG3520B2RF	1552	41.6	84.1	1.18	26.7	4.3
CG3020B2RF	1549	40.8	84.2	1.15	27.5	4.0
Average	1695	42.7	83.9	1.16	28.8	4.4
LSD 0.10	81	0.4	0.4	0.01	N.S.[1]	0.2
CV %	11.5	2.1	0.9	1.69	4.4	5.7

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

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).

Bainbridge, Georgia:
Later Maturity Cotton Variety Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
10R052B2R2	**1765**	45.9	83.3	1.14	29.7	4.9
DP 1048 B2RF	**1636**	44.6	84.6	1.16	29.4	4.7
NG 3331 B2RF	**1618**	42.4	84.2	1.13	32.7	4.8
DP 1034 B2RF	**1616**	46.4	84.4	1.16	29.6	4.7
ST 5458B2RF	**1584**	41.7	83.6	1.16	31.7	5.3
PHY 499 WRF	**1583**	46.0	83.4	1.12	33.8	4.6
PHY 519 WRF	1565	42.9	82.9	1.15	32.1	4.8
PHY 569 WRF	1563	41.5	83.8	1.11	33.1	4.8
DP 1137 B2RF	1555	45.6	83.3	1.12	30.0	5.0
DP 1050 B2RF	1546	45.0	84.2	1.16	30.5	4.7
DP 1032 B2RF	1541	44.0	83.7	1.17	31.8	4.7
DP 0949B2RF	1505	43.3	83.1	1.15	30.7	4.6
PHY 375 WRF	1504	44.1	83.6	1.15	29.5	4.5
BCSX1030B2F	1499	41.4	83.1	1.14	29.0	4.2
ST 4288B2F	1493	39.4	83.1	1.14	30.2	4.9
GA2004143	1493	43.8	83.3	1.19	32.7	4.5
PHY 565 WRF	1490	41.8	84.3	1.19	33.3	4.1
DP 1133 B2RF	1484	44.5	84.9	1.18	33.2	5.1
ST 5288B2F	1463	43.1	82.5	1.13	29.6	4.9
FM1773LLB2	1462	39.1	84.5	1.22	34.3	5.0
GA2004303	1442	44.0	83.8	1.15	31.6	5.2
SSG CT 310HQ	1421	38.6	82.9	1.14	34.7	4.8
PHY 485 WRF	1403	41.6	83.7	1.13	31.8	5.1
FM 1845LLB2	1391	39.6	84.0	1.19	34.6	4.9
PHY 525 RF	1391	43.1	84.0	1.18	31.9	4.4
BCSX1040B2F	1390	36.5	84.9	1.23	33.4	4.5
DP 0935 B2RF	1328	42.8	83.5	1.13	31.1	4.4
NG 8015 B2RF	1311	39.5	83.8	1.16	32.2	5.0
FM1740B2RF	1303	43.8	81.8	1.11	30.3	4.7
NG 4012 B2RF	1271	41.1	82.9	1.17	34.6	4.3
BCSX 1010B2F	1250	41.6	82.8	1.13	30.2	4.4
PHY 440 W	1230	41.5	83.2	1.14	30.8	4.8
AM 1550 B2RF	1222	41.1	82.5	1.13	28.9	4.4
NG 4010 B2RF	1193	40.5	83.9	1.19	31.3	4.6
Average	1456	42.4	83.6	1.15	31.6	4.7
LSD 0.10	190	1.0	0.9	0.04	1.7	0.5
CV %	11.1	2.0	0.6	2.22	3.3	6.6

* 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 17, 2010.
Harvested: November 1, 2010.
Soil Type: Bonnaeu blanton loamy sand.
Fertilization: 153 lb N, 158 lb P_2O_5, and 159 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.40	2.40	3.20	1.60	1.60	0.0

Trials conducted by Larry Thompson.

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1050 B2RF	**2158**	46.1	85.3	1.19	27.8	4.8
DP 0949B2RF	**2112**	43.1	84.1	1.17	27.7	5.0
PHY 565 WRF	**2100**	45.9	84.1	1.19	31.7	3.8
PHY 375 WRF	**2066**	42.4	84.2	1.19	29.6	4.5
GA2004143	**2062**	46.3	84.9	1.21	32.5	4.7
ST 5288B2F	**2028**	43.1	84.2	1.19	28.5	4.7
DP 1137 B2RF	**2001**	45.1	83.8	1.15	28.5	4.7
DP 1032 B2RF	**1992**	44.2	84.6	1.23	29.9	4.4
FM1740B2RF	**1961**	42.2	83.0	1.16	28.0	4.5
DP 1133 B2RF	**1960**	44.8	85.0	1.18	30.3	4.5
AM 1550 B2RF	1928	41.4	84.7	1.14	27.5	4.3
DP 1048 B2RF	1916	45.4	84.7	1.19	27.1	4.6
GA2004303	1869	41.9	84.5	1.18	30.9	4.7
DP 0935 B2RF	1867	43.1	84.0	1.14	28.2	4.6
PHY 499 WRF	1859	42.9	85.0	1.18	31.7	4.9
10R052B2R2	1858	46.6	84.9	1.20	28.7	4.6
PHY 519 WRF	1852	42.1	84.1	1.19	31.2	4.6
PHY 569 WRF	1834	41.3	85.3	1.19	31.0	4.5
BCSX 1010B2F	1801	40.9	83.9	1.21	28.2	4.4
PHY 485 WRF	1787	41.3	84.3	1.19	28.7	4.6
FM1773LLB2	1738	38.8	84.4	1.25	32.7	4.8
ST 4288B2F	1736	39.3	83.7	1.18	27.6	4.7
DP 1034 B2RF	1721	44.9	84.8	1.20	27.5	4.6
NG 3331 B2RF	1720	41.4	84.7	1.15	31.3	4.9
BCSX1030B2F	1708	42.2	84.3	1.18	25.7	4.5
FM 1845LLB2	1706	38.4	85.5	1.27	32.3	4.2
NG 8015 B2RF	1682	39.3	84.2	1.20	32.8	4.7
ST 5458B2RF	1680	41.8	84.7	1.19	31.4	5.0
PHY 440 W	1659	40.0	84.8	1.22	30.1	4.2
NG 4012 B2RF	1658	41.9	84.1	1.21	30.2	4.6
PHY 525 RF	1608	42.9	84.4	1.21	30.5	4.1
BCSX1040B2F	1568	37.0	85.6	1.26	30.5	4.5
NG 4010 B2RF	1503	40.3	83.7	1.22	31.7	4.5
SSG CT 310HQ	1469	39.4	85.8	1.21	32.1	4.3
Average	1828	42.3	84.5	1.19	29.8	4.5
LSD 0.10	198	1.4	N.S.[1]	0.03	2.0	0.2
CV %	9.2	2.7	0.8	1.64	3.9	3.0

* 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 4, 2010.
Soil Type: Tifton sandy loam.
Fertilization: 100 lb N, 115 lb P_2O_5, and 30 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.50	1.75	2.25	1.75	0.75

Trials conducted by Larry Thompson.

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1034 B2RF	**1401**	45.7	83.9	1.16	29.6	4.8
PHY 499 WRF	**1288**	46.3	84.2	1.13	33.5	4.9
AM 1550 B2RF	**1251**	42.5	82.7	1.09	29.0	5.0
10R05B2R2	1212	46.2	84.2	1.18	30.2	4.6
DP 1133 B2RF	1166	44.8	85.3	1.21	34.2	4.8
ST 5458B2RF	1162	41.8	83.6	1.17	32.9	5.0
PHY 569 WRF	1158	42.3	84.0	1.12	32.5	4.6
BCSX1030B2F	1136	42.7	83.7	1.16	29.0	4.2
PHY 375 WRF	1134	43.3	84.1	1.15	30.6	4.2
DP 1137 B2RF	1122	45.5	84.4	1.15	29.7	5.0
DP 1048 B2RF	1102	44.1	84.5	1.18	29.3	4.6
ST 4288B2F	1069	39.3	82.3	1.14	29.7	4.4
DP 0935 B2RF	1065	42.8	84.3	1.17	30.4	4.7
DP 1050 B2RF	1061	45.4	83.9	1.17	30.5	4.6
NG 3331 B2RF	1061	43.5	83.9	1.13	32.6	4.7
GA2004303	1040	43.3	84.3	1.11	33.0	4.9
PHY 519 WRF	1037	42.6	82.9	1.15	32.5	4.6
PHY 565 WRF	1024	42.6	83.7	1.15	33.4	4.4
PHY 440 W	990	43.9	83.0	1.14	31.6	4.7
DP 1032 B2RF	986	43.4	84.0	1.21	33.5	4.4
PHY 485 WRF	981	42.5	84.4	1.15	33.2	4.8
FM 1845LLB2	980	39.7	83.0	1.18	33.6	4.9
NG 4010 B2RF	977	40.5	83.6	1.16	33.1	4.7
DP 0949B2RF	955	43.9	84.0	1.19	31.9	5.1
GA2004143	948	43.7	84.1	1.17	35.1	4.8
FM1773LLB2	928	39.5	83.2	1.18	33.8	5.0
BCSX1040B2F	919	38.4	84.2	1.23	32.9	3.9
FM1740B2RF	915	42.1	82.7	1.10	31.1	4.6
BCSX 1010B2F	907	42.4	82.0	1.12	30.0	4.5
NG 4012 B2RF	904	41.2	83.7	1.18	33.2	4.3
NG 8015 B2RF	840	39.0	83.8	1.15	33.7	4.9
ST 5288B2F	816	42.6	82.2	1.14	31.0	4.5
PHY 525 RF	815	42.4	83.9	1.18	31.5	4.2
SSG CT 310HQ	703	38.6	83.1	1.16	36.7	4.8
Average	1031	42.6	83.6	1.15	32.0	4.6
LSD 0.10	186	1.0	1.3	0.04	1.7	0.3
CV %	1534	1.9	0.9	1.94	3.0	3.8

* 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 28, 2010.
Harvested: September 24, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.0	0.0	4.0	2.0	0.0

Trials conducted by Larry Thompson.

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1034 B2RF	**1746**	47.1	83.6	1.15	27.3	4.9
PHY 565 WRF	**1723**	43.8	83.8	1.16	31.9	4.6
PHY 499 WRF	**1702**	46.5	84.1	1.11	31.2	4.9
PHY 375 WRF	**1678**	45.1	83.3	1.13	27.9	4.4
DP 0949B2RF	**1675**	45.8	83.4	1.11	29.8	5.3
DP 1048 B2RF	**1624**	46.1	84.4	1.14	28.1	4.8
DP 1050 B2RF	**1622**	47.2	84.6	1.13	26.8	5.2
AM 1550 B2RF	**1610**	44.7	83.3	1.11	26.4	4.7
FM 1845LLB2	**1610**	41.9	83.8	1.14	30.6	4.9
ST 5288B2F	**1608**	44.0	82.0	1.10	27.2	4.8
DP 1137 B2RF	**1591**	45.8	84.7	1.13	29.7	4.9
DP 1133 B2RF	**1576**	46.8	84.9	1.15	31.5	5.0
DP 0935 B2RF	**1575**	44.1	82.1	1.06	26.5	4.9
NG 3331 B2RF	**1570**	43.3	83.6	1.12	31.2	4.8
ST 5458B2RF	**1567**	45.4	82.0	1.10	29.8	4.8
PHY 519 WRF	**1559**	43.1	82.1	1.11	31.3	4.6
ST 4288B2F	1545	41.6	83.4	1.16	27.8	4.6
GA2004143	1545	46.2	83.9	1.17	31.2	5.0
FM1740B2RF	1526	45.9	84.3	1.15	31.4	4.7
10R05B2R2	1509	45.7	85.0	1.16	29.3	5.3
DP 1032 B2RF	1507	44.5	83.8	1.15	31.1	4.7
FM1773LLB2	1503	40.0	83.2	1.18	34.1	4.8
GA2004303	1490	44.3	82.6	1.13	30.8	5.2
PHY 569 WRF	1467	43.6	84.0	1.10	30.1	4.8
BCSX 1010B2F	1450	39.6	83.6	1.16	29.2	4.6
NG 4012 B2RF	1431	43.6	82.8	1.15	29.4	4.7
BCSX1030B2F	1404	44.7	81.1	1.09	24.7	4.4
BCSX1040B2F	1404	39.1	84.2	1.23	30.8	4.5
NG 4010 B2RF	1376	41.3	83.3	1.16	30.7	4.6
PHY 440 W	1363	43.2	83.2	1.11	29.4	4.6
PHY 485 WRF	1322	43.9	83.7	1.10	31.0	5.0
SSG CT 310HQ	1310	41.9	83.3	1.13	32.6	5.1
PHY 525 RF	1276	42.8	83.1	1.16	28.8	4.4
NG 8015 B2RF	1253	40.6	83.1	1.14	31.8	4.9
Average	1521	43.9	83.4	1.13	29.7	4.8
LSD 0.10	190	1.4	1.2	0.05	2.7	0.4
CV %	10.6	2.6	0.9	2.57	5.4	4.9

* 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 15, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.30	4.20	1.00	0.00

Trials conducted by Larry Thompson.

Tifton, Georgia:
Later Maturity Cotton Variety Performance
including Micro-Gina Quality Data, 2010, Irrigated

Variety	Lint Yield	MG[1] Lint Yield	Lint	MG[1] Lint	Unif. Index[2]	MG[1] Unif. Index	Length[2]	MG[1] Length	Strength[2]	MG[1] Strength*	Mic.[2]	MG[1] Mic.
	lb/acre	lb/acre	%	%	%	%	inches	inches	g/tex	g/tex	units	units
10R05B2R2	1509	**1386**	45.7	42.0	85.0	81.5	1.16	1.12	29.3	25.9	5.3	5.2
AM 1550 B2RF	**1610**	1369	44.7	38.0	83.3	81.0	1.11	1.09	26.4	26.1	4.7	4.8
BCSX 1010B2F	1450	1341	39.6	36.7	83.6	81.0	1.16	1.11	29.2	27.0	4.6	4.5
BCSX1030B2F	1404	1236	44.7	39.2	81.1	80.2	1.09	1.07	24.7	24.3	4.4	4.5
BCSX1040B2F	1404	1209	39.1	33.7	84.2	83.1	1.23	1.20	30.8	28.8	4.5	4.7
DP 0935 B2RF	**1575**	**1444**	44.1	40.4	82.1	80.6	1.06	1.05	26.5	25.6	4.9	4.9
DP 0949B2RF	**1675**	**1447**	45.8	39.6	83.4	81.7	1.11	1.10	29.8	28.3	5.3	5.1
DP 1032 B2RF	1507	1367	44.5	40.1	83.8	81.3	1.15	1.13	31.1	29.4	4.7	4.9
DP 1034 B2RF	**1746**	**1530**	47.1	41.2	83.6	81.7	1.15	1.12	27.3	25.2	4.9	4.9
DP 1048 B2RF	**1624**	**1440**	46.1	40.9	84.4	81.1	1.14	1.11	28.1	25.7	4.8	4.9
DP 1050 B2RF	**1622**	**1450**	47.2	42.2	84.6	81.7	1.13	1.13	26.8	25.5	5.2	5.0
DP 1133 B2RF	**1576**	**1375**	46.8	40.7	84.9	82.2	1.15	1.13	31.5	29.1	5.0	5.1
DP 1137 B2RF	**1591**	**1434**	45.8	41.3	84.7	81.3	1.13	1.07	29.7	25.2	4.9	5.1
FM 1845LLB2	**1610**	1371	41.9	35.7	83.8	81.8	1.14	1.16	30.6	29.9	4.9	4.8
FM1740B2RF	1526	1273	45.9	38.5	84.3	80.6	1.15	1.07	31.4	26.6	4.7	4.7
FM1773LLB2	1503	1322	40.0	35.2	83.2	80.9	1.18	1.14	34.1	30.3	4.8	4.8
GA2004143	1545	1350	46.2	40.4	83.9	81.8	1.17	1.15	31.2	28.7	5.0	4.9
GA2004303	1490	1347	44.3	40.1	82.6	80.7	1.13	1.03	30.8	27.8	5.2	5.4
NG 3331 B2RF	**1570**	1339	43.3	37.0	83.6	82.2	1.12	1.07	31.2	29.2	4.8	5.1
NG 4010 B2RF	1376	1252	41.3	37.6	83.3	81.4	1.16	1.14	30.7	27.5	4.6	4.6
NG 4012 B2RF	1431	1261	43.6	38.4	82.8	81.0	1.15	1.12	29.4	28.4	4.7	4.5
NG 8015 B2RF	1253	1122	40.6	36.4	83.1	82.2	1.14	1.12	31.8	28.7	4.9	5.0
PHY 375 WRF	**1678**	**1433**	45.1	38.5	83.3	81.3	1.13	1.11	27.9	27.8	4.4	4.6
PHY 440 W	1363	1176	43.2	37.3	83.2	82.0	1.11	1.10	29.4	27.8	4.6	4.8
PHY 485 WRF	1322	1115	43.9	37.0	83.7	82.0	1.10	1.09	31.0	28.5	5.0	5.0
PHY 499 WRF	**1702**	**1486**	46.5	40.6	84.1	81.9	1.11	1.10	31.2	28.9	4.9	5.2
PHY 519 WRF	**1559**	1358	43.1	37.7	82.1	81.7	1.11	1.12	31.3	29.3	4.6	4.7
PHY 525 RF	1276	1113	42.8	37.3	83.1	82.1	1.16	1.12	28.8	27.3	4.4	4.5
PHY 565 WRF	**1723**	**1475**	43.8	37.5	83.8	81.2	1.16	1.10	31.9	29.1	4.6	4.7
PHY 569 WRF	1467	1253	43.6	37.3	84.0	82.4	1.10	1.10	30.1	28.8	4.8	4.8
SSG CT 310HQ	1310	1138	41.9	36.4	83.3	81.3	1.13	1.09	32.6	30.3	5.1	5.0
ST 4288B2F	1545	1334	41.6	35.9	83.4	80.6	1.16	1.12	27.8	25.9	4.6	4.9
ST 5288B2F	**1608**	1365	44.0	37.4	82.0	81.0	1.10	1.08	27.2	24.9	4.8	4.9
ST 5458B2RF	**1567**	1336	45.4	38.7	82.0	80.2	1.10	1.07	29.8	27.0	4.8	5.3
Average	1521	1331	43.9	38.4	83.4	81.4	1.13	1.10	29.7	27.6	4.8	4.9
LSD 0.10	190	158	1.4	0.5	1.2	1.1	0.05	0.04	2.7	1.8	0.4	0.2
CV %	10.6	10.1	2.6	1.2	0.9	0.7	2.57	2.39	5.4	3.9	4.9	2.5

1. Micro-Gin quality samples are from total seed cotton harvested from each plot.
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: April 27, 2010.
Harvested: September 15, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.30	4.20	1.00	0.00

Trials conducted by Larry Thompson.

Yield Summary for Later Maturity Cotton Varieties, 2010, Irrigated

Variety	Lint Yield[a] Bainbridge	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
DP 1034 B2RF	**1616** 4	1721 23	**1401** 1	**1746** 1	**1621** 1	46.0	84.2	1.17	28.5	4.7
PHY 499 WRF	**1583** 6	1859 15	**1288** 2	**1702** 3	**1608** 2	45.4	84.1	1.14	32.5	4.8
DP 1050 B2RF	1546 10	**2158** 1	1061 14T	**1622** 7	**1597** 3	45.9	84.5	1.16	28.9	4.8
PHY 375 WRF	1504 13	**2066** 4	1134 9	**1678** 4	**1596** 4	43.7	83.8	1.15	29.4	4.4
10R052B2R2	**1765** 1	1858 16	1212 4	1509 18	**1586** 5	46.1	84.3	1.17	29.4	4.8
PHY 565 WRF	1490 17	**2100** 3	1024 17	**1723** 2	**1584** 6	43.5	84.0	1.17	32.6	4.2
DP 1048 B2RF	**1636** 2	1916 12	1102 11	**1624** 6	**1569** 7	45.1	84.5	1.17	28.5	4.7
DP 1137 B2RF	1555 9	**2001** 7	1122 10	**1591** 10	**1567** 8	45.5	84.0	1.14	29.4	4.9
DP 0949B2RF	1505 12	**2112** 2	955 23	**1675** 5	**1562** 9	44.1	83.6	1.15	30.0	5.0
DP 1133 B2RF	1484 18	**1960** 10	1166 5	**1576** 11	**1546** 10	45.2	85.0	1.18	32.3	4.8
GA2004143	1493 15	**2062** 5	948 24	1545 16T	**1512** 11	45.0	84.0	1.18	32.9	4.7
DP 1032 B2RF	1541 11	**1992** 8	986 19	1507 19	**1507** 12	44.0	84.0	1.19	31.6	4.5
PHY 569 WRF	1563 8	1834 18	1158 7	1467 22	**1506** 13	42.2	84.3	1.13	31.7	4.7
AM 1550 B2RF	1222 32	1928 11	**1251** 3	**1610** 8T	**1503** 14T	42.4	83.3	1.12	27.9	4.6
PHY 519 WRF	1565 7	1852 17	1037 16	**1559** 15	**1503** 14T	42.7	83.0	1.15	31.8	4.6
ST 5458B2RF	**1584** 5	1680 28	1162 6	**1567** 14	**1498** 15	42.7	83.4	1.15	31.4	5.0
NG 3331 B2RF	**1618** 3	1720 24	1061 14T	**1570** 13	**1492** 16	42.6	84.1	1.13	31.9	4.8
ST 5288B2F	1463 19	**2028** 6	816 31	**1608** 9	1479 17	43.2	82.7	1.14	29.1	4.7
ST 4288B2F	1493 16	1736 22	1069 12	1545 16T	1461 18	39.9	83.1	1.15	28.8	4.6
GA2004303	1442 21	1869 13	1040 15	1490 21	1460 19	43.4	83.8	1.14	31.6	5.0
DP 0935 B2RF	1328 26	1867 14	1065 13	**1575** 12	1459 20	43.2	83.5	1.12	29.0	4.7
BCSX1030B2F	1499 14	1708 25	1136 8	1404 25T	1437 21	42.7	83.0	1.14	27.1	4.3
FM1740B2RF	1303 28	**1961** 9	915 27	1526 17	1426 22	43.5	82.9	1.13	30.2	4.6
FM 1845LLB2	1391 24T	1706 26	980 21	**1610** 8T	1422 23	39.9	84.0	1.19	32.8	4.7
FM1773LLB2	1462 20	1738 21	928 25	1503 20	1408 24	39.3	83.8	1.21	33.7	4.9
PHY 485 WRF	1403 23	1787 20	981 20	1322 28	1373 25	42.3	84.0	1.14	31.2	4.9
BCSX 1010B2F	1250 30	1801 19	907 28	1450 23	1352 26	41.1	83.1	1.15	29.4	4.4
BCSX1040B2F	1390 25	1568 32	919 26	1404 25T	1320 27	37.8	84.7	1.24	31.9	4.3
NG 4012 B2RF	1271 29	1658 30	904 29	1431 24	1316 28	41.9	83.4	1.18	31.9	4.5
PHY 440 W	1230 31	1659 29	990 18	1363 27	1311 29	42.1	83.5	1.15	30.5	4.5
PHY 525 RF	1391 24T	1608 31	815 32	1276 30	1272 30	42.8	83.8	1.18	30.6	4.2
NG 8015 B2RF	1311 27	1682 27	840 30	1253 31	1271 31	39.6	83.7	1.16	32.6	4.8
NG 4010 B2RF	1193 33	1503 33	977 22	1376 26	1262 32	40.7	83.6	1.18	31.7	4.6
SSG CT 310HQ	1421 22	1469 34	703 33	1310 29	1226 33	39.6	83.8	1.16	34.0	4.7
Average	1456	1828	1031	1521	1459	42.8	83.8	1.16	30.8	4.7
LSD 0.10	190	198	186	190	130	1.0	0.7	0.02	1.0	0.2
CV %	11.1	9.2	15.4	10.6	11.2	2.4	0.8	2.11	4.0	4.8

[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 Later Maturity Cotton Varieties at Four Locations[a], 2009-2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
BCSX 1010B2F	1498	41.0	83.4	1.18	29.5	4.4
DP 0935 B2RF	1625	44.1	83.3	1.14	28.6	4.5
DP 0949B2RF	**1753**	44.6	83.8	1.17	29.5	4.8
FM 1845LLB2	1536	40.4	84.3	1.21	31.9	4.4
PHY 375 WRF	**1731**	43.6	83.5	1.15	28.7	4.2
PHY 440 W	1495	42.1	83.6	1.17	30.4	4.4
PHY 485 WRF	1597	43.2	84.2	1.16	30.9	4.7
PHY 525 RF	1259	42.9	83.8	1.20	29.8	4.0
SSG CT 310HQ	1265	40.7	83.6	1.16	33.4	4.4
ST 5288B2F	1609	43.7	82.9	1.15	28.4	4.6
ST 5458B2RF	1649	43.3	82.9	1.17	30.7	4.8
Average	1547	42.7	83.6	1.17	30.2	4.5
LSD 0.10	68	0.3	0.4	0.02	0.7	0.2
CV %	10.7	1.9	0.8	2.16	4.2	6.3

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

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

Midville, Georgia:
Cotton Strains Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
10R052B2R2	**2156**	47.1	84.1	1.15	27.5	4.8
DP 1137 B2RF	**2018**	45.5	83.6	1.13	26.8	4.9
DP 1133 B2RF	1926	44.5	84.3	1.16	30.5	4.7
GA2006046	1842	40.4	83.1	1.21	29.8	4.4
GA2008001	1727	41.1	84.2	1.21	30.5	4.5
GA2008083	1707	42.7	84.0	1.19	30.9	4.3
All-Tex ATX91437-2	1698	44.7	83.2	1.20	25.6	4.2
Dyna-Gro 2570B2RF	1698	41.3	84.1	1.16	28.0	4.7
GA2008005	1655	41.1	84.2	1.21	30.8	5.0
GA2008016	1653	40.3	84.4	1.22	34.5	4.6
All-Tex ATX8W318-20	1640	40.4	83.1	1.17	27.5	4.6
All-Tex ATX81144	1573	39.9	82.9	1.21	30.9	4.0
GA2008052	1536	41	84.5	1.20	32.4	4.4
GA2008057	1488	41.4	85.2	1.22	33.3	4.4
Average	1737	42.3	83.9	1.19	29.9	4.5
LSD 0.10	151	0.9	N.S.[1]	0.04	2.4	0.4
CV %	7.3	1.8	1.3	1.78	4.5	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: May 7, 2010.
Harvested: October 4, 2010.
Soil Type: Tifton sandy loam.
Fertilization: 100 lb N, 115 lb P_2O_5, and 30 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.50	1.75	2.25	1.75	0.75

Trials conducted by Larry Thompson.

Plains, Georgia:
Cotton Strains Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
10R052B2R2	**1107**	46.3	83.7	1.15	29.3	4.9
Dyna-Gro 2570B2RF	**1102**	41.9	83.4	1.16	32.2	4.3
GA2006046	**1093**	43.1	83.3	1.14	29.9	5.0
All-Tex ATX91437-2	**1090**	44.5	83.1	1.14	28.6	4.4
DP 1137 B2RF	**1052**	45.4	83.4	1.14	29.4	4.8
All-Tex ATX81144	**1042**	42.7	83.8	1.19	33.9	4.1
DP 1133 B2RF	**994**	45.3	85.1	1.16	33.7	5.2
GA2008001	**982**	42.5	83.8	1.22	34.8	4.7
GA2008083	**977**	44.5	82.6	1.14	34.1	4.9
GA2008005	930	43.7	84.9	1.18	32.9	5.1
GA2008016	926	43.4	83.9	1.19	37.0	5.1
GA2008057	922	43.1	85.4	1.27	35.7	4.9
GA2008052	823	40.2	84.6	1.21	34.4	4.1
All-Tex ATX8W318-20	740	40.4	83.6	1.17	31.1	4.4
Average	984	43.3	83.9	1.17	32.6	4.7
LSD 0.10	143	1.0	N.S.[1]	N.S.	1.8	0.3
CV %	12.2	1.8	1.0	3.38	3.2	3.8

* 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 24, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.0	0.0	4.0	2.0	0.0

Trials conducted by Larry Thompson.

Tifton, Georgia:
Cotton Strains Performance, 2010, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
GA2008057	**1512**	45.4	84.5	1.19	35.2	4.9
10R052B2R2	**1503**	46.6	84.8	1.14	29.5	5.2
Dyna-Gro 2570B2RF	**1497**	43.7	83.7	1.08	30.6	5.1
DP 1137 B2RF	**1490**	46.2	84.2	1.12	29.0	5.0
GA2008016	**1473**	44.1	84.2	1.12	34.4	5.1
GA2008083	**1470**	47.6	82.2	1.10	31.0	4.7
GA2008001	**1418**	44.4	84.0	1.17	31.6	4.9
GA2008005	**1408**	44.3	84.6	1.15	32.7	5.1
All-Tex ATX8W318-20	**1338**	43.1	83.3	1.11	28.6	4.6
All-Tex ATX81144	**1335**	43.6	83.3	1.17	31.1	4.2
GA2008052	1277	42.6	83.6	1.17	31.3	4.5
GA2006046	1273	42.5	83.9	1.16	29.9	5.1
All-Tex ATX91437-2	1222	46.1	82.9	1.14	26.8	4.6
DP 1133 B2RF	1200	46.6	84.3	1.10	31.7	5.3
Average	1387	44.8	83.8	1.13	30.9	4.9
LSD 0.10	195	1.0	N.S.[1]	0.05	2.3	0.2
CV %	11.8	1.8	0.9	2.62	4.3	2.9

* 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 27, 2010.
Harvested: September 15, 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.30	4.20	1.00	0.00

Trials conducted by Larry Thompson.

Yield Summary for Cotton Strains, 2010, Irrigated

Variety	Lint Yield[a] Midville	Plains	Tifton	3-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre				%	%	inches	g/tex	units
10R052B2R2	**2156** [1]	**1107** [1]	**1503** [2]	**1589** [1]	46.6	84.2	1.15	28.7	4.9
DP 1137 B2RF	**2018** [2]	**1052** [5]	**1490** [4]	**1520** [2]	45.7	83.7	1.13	28.4	4.9
Dyna-Gro 2570B2RF	1698 [7T]	**1102** [2]	**1497** [3]	**1432** [3]	42.3	83.7	1.13	30.3	4.7
GA2006046	1842 [4]	**1093** [3]	1273 [12]	1403 [4]	42.0	83.4	1.17	29.9	4.8
GA2008083	1707 [6]	**977** [9]	**1470** [6]	1385 [5]	44.9	82.9	1.14	32.0	4.6
GA2008001	1727 [5]	**982** [8]	**1418** [7]	1376 [6]	42.7	84.0	1.20	32.3	4.7
DP 1133 B2RF	1926 [3]	**994** [7]	1200 [14]	1373 [7]	45.5	84.6	1.14	31.9	5.0
GA2008016	1653 [9]	926 [11]	**1473** [5]	1351 [8]	42.6	84.2	1.18	35.3	4.9
All-Tex ATX91437-2	1698 [7T]	**1090** [4]	1222 [13]	1337 [9]	45.1	83.0	1.16	27.0	4.4
GA2008005	1655 [8]	930 [10]	**1408** [8]	1331 [10]	43.0	84.6	1.18	32.1	5.0
All-Tex ATX81144	1573 [11]	**1042** [6]	**1335** [10]	1317 [11]	42.0	83.3	1.19	32.0	4.1
GA2008057	1488 [13]	922 [12]	**1512** [1]	1307 [12]	43.3	85.0	1.22	34.7	4.7
All-Tex ATX8W318-20	1640 [10]	740 [14]	**1338** [9]	1239 [13]	41.3	83.3	1.15	29.0	4.5
GA2008052	1536 [12]	823 [13]	1277 [11]	1212 [14]	41.2	84.2	1.19	32.7	4.3
Average	1737	984	1387	1369	43.5	83.9	1.17	31.2	4.7
LSD 0.10	151	143	195	171	1.3	0.6	0.03	1.1	0.3
CV %	7.3	12.2	11.8	10.1	1.8	2.7	1.09	4.0	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).

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1685**	46.3	83.6	1.16	33.0	5.2
DP 1028 B2RF	**1594**	47.9	83.2	1.14	29.8	5.1
GA2006053	1449	42.3	83.5	1.18	29.4	5.0
CG3035RF	1403	44.9	81.9	1.14	30.1	5.2
PHY 367 WRF	1384	44.5	81.1	1.11	29.9	4.7
PHY 375 WRF	1380	45.5	82.9	1.14	29.2	4.6
All-Tex 7A21	1339	45.7	84.0	1.19	30.9	5.0
GA2006106	1296	44.5	82.7	1.22	33.2	4.9
All-Tex LA122	1292	45.1	83.4	1.18	29.1	4.6
NG 3331 B2RF	1280	44.1	82.5	1.10	32.2	5.1
Dyna-Gro 2570B2RF	1271	44.7	83.2	1.15	30.6	5.0
DP 0912 B2RF	1238	45.8	82.0	1.07	29.7	5.4
DP 0920 B2RF	1234	44.8	81.5	1.13	29.0	4.9
CG4020B2RF	1233	43.0	83.7	1.18	27.9	4.5
DP 1032 B2RF	1230	45.4	83.4	1.18	30.6	4.6
All-Tex A102	1229	43.7	82.1	1.20	30.7	4.8
DP 0924 B2RF	1212	45.3	81.7	1.10	28.6	5.0
AM 1550 B2RF	1194	44.0	82.8	1.12	28.5	4.6
CG3520B2RF	1189	43.7	81.7	1.11	26.6	4.5
GA2007095	1165	43.4	83.3	1.20	30.9	4.7
SSG CT Linwood	1152	43.6	83.1	1.15	33.7	5.3
ST 4288B2F	1151	42.5	82.2	1.12	29.1	5.0
FM1740B2RF	1146	44.9	81.5	1.12	30.0	5.2
CG3220B2RF	1141	43.8	82.6	1.11	28.9	4.7
CG3020B2RF	1129	44.1	82.0	1.07	27.8	4.7
NG 8015 B2RF	1106	43.4	83.2	1.17	32.4	4.8
NG 4012 B2RF	900	45.9	81.8	1.10	31.4	4.4
NG 4010 B2RF	845	45.1	82.0	1.12	30.6	4.6
Average	1245	44.6	82.6	1.14	30.1	4.8
LSD 0.10	182	1.2	0.9	0.04	1.4	0.5
CV %	12.4	2.2	0.6	2.24	2.8	5.9

* 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.

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1580**	45.1	84.4	1.15	32.4	5.2
DP 1032 B2RF	**1415**	43.6	82.8	1.16	30.7	4.6
DP 0912 B2RF	1390	43.4	83.0	1.08	31.3	5.2
DP 1028 B2RF	1362	45.4	84.2	1.16	28.2	4.9
GA2007095	1355	42.0	82.7	1.16	30.4	4.8
NG 3331 B2RF	1251	41.8	83.5	1.09	32.8	5.2
FM1740B2RF	1237	42.4	83.2	1.10	29.3	4.8
DP 0924 B2RF	1218	42.8	83.6	1.11	28.7	5.0
CG3035RF	1213	42.5	83.4	1.12	28.9	4.9
Dyna-Gro 2570B2RF	1174	41.3	83.0	1.13	30.4	4.6
SSG CT Linwood	1165	41.8	83.0	1.10	32.4	5.3
DP 0920 B2RF	1163	43.8	83.4	1.15	27.4	4.8
PHY 375 WRF	1161	43.2	83.6	1.13	29.0	4.6
AM 1550 B2RF	1159	41.4	83.9	1.13	29.8	4.6
All-Tex LA122	1151	42.3	82.9	1.14	26.9	4.7
PHY 367 WRF	1125	42.1	82.9	1.14	30.0	4.4
GA2006053	1123	37.9	83.7	1.18	28.8	5.0
All-Tex A102	1074	40.1	84.0	1.21	30.9	4.5
NG 8015 B2RF	1074	38.3	84.8	1.20	33.4	4.8
CG3520B2RF	1068	39.3	84.4	1.14	26.1	4.5
GA2006106	1042	38.5	84.3	1.23	32.0	4.5
All-Tex 7A21	1030	41.7	84.2	1.20	31.6	4.7
CG3220B2RF	1028	40.8	83.8	1.14	30.0	4.8
ST 4288B2F	1027	37.8	82.6	1.16	28.2	4.6
CG4020B2RF	1023	40.7	83.9	1.16	26.9	4.1
NG 4012 B2RF	984	41.4	84.0	1.21	33.1	4.5
NG 4010 B2RF	952	39.7	82.7	1.14	31.3	4.9
CG3020B2RF	931	39.4	83.5	1.11	28.2	4.2
Average	1160	41.4	83.5	1.14	29.9	4.7
LSD 0.10	183	1.1	N.S.[1]	0.06	2.1	0.5
CV %	13.4	2.3	1.0	3.13	4.1	6.2

* 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.

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**551**	45.4	82.2	1.01	30.1	4.6
DP 1028 B2RF	**542**	47.2	82.1	1.04	28.2	5.1
PHY 367 WRF	**504**	42.2	80.9	1.05	27.4	4.1
DP 0920 B2RF	**501**	44.4	80.9	1.01	25.1	4.6
AM 1550 B2RF	**463**	44.1	80.8	0.98	23.9	4.7
PHY 375 WRF	**450**	46.2	81.6	1.01	26.1	4.6
CG3035RF	**449**	42.8	82.0	1.02	29.9	5.1
CG3220B2RF	**447**	42.4	81.2	1.02	27.2	4.6
All-Tex LA122	435	45.6	82.6	1.06	28.5	5.2
NG 4010 B2RF	434	41.7	81.5	1.01	29.9	4.4
DP 0912 B2RF	424	42.8	82.2	0.99	27.2	4.7
Dyna-Gro 2570B2RF	418	44.1	82.2	1.00	28.7	4.8
SSG CT Linwood	415	43.3	81.1	1.00	30.0	5.5
DP 1032 B2RF	408	44.8	81.0	1.05	27.9	4.6
All-Tex 7A21	405	45.3	80.7	1.04	29.3	5.3
CG4020B2RF	393	42.1	81.0	1.02	24.4	4.1
GA2007095	392	41.7	81.7	1.05	29.8	5.1
CG3520B2RF	385	40.6	81.7	1.04	25.7	4.1
ST 4288B2F	381	40.4	79.8	0.96	23.6	4.2
GA2006053	374	40.5	80.8	1.05	26.7	4.9
FM1740B2RF	372	43.0	81.5	1.02	28.0	4.3
DP 0924 B2RF	364	43.0	80.8	0.98	27.0	4.7
NG 4012 B2RF	355	44.2	79.8	1.00	27.6	4.5
GA2006106	348	41.9	80.2	1.09	30.7	4.9
NG 3331 B2RF	347	42.6	81.8	1.02	29.7	4.3
NG 8015 B2RF	342	39.1	80.6	1.00	28.1	4.4
All-Tex A102	340	40.9	81.4	1.06	28.6	5.0
CG3020B2RF	305	40.5	81.4	0.98	25.5	4.1
Average	412	43.0	81.2	1.02	27.7	4.6
LSD 0.10	106	1.0	1.2	0.05	3.0	0.3
CV %	21.8	2.0	0.8	3.25	6.3	3.9

* 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 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.

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

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 0912 B2RF	**1135**	44.0	80.5	1.02	26.1	5.1
GA2006106	**1013**	42.6	80.7	1.08	29.5	4.4
All-Tex LA122	**997**	43.8	82.9	1.10	28.0	4.5
PHY 375 WRF	**985**	44.7	81.8	1.03	25.9	4.4
PHY 499 WRF	**977**	47.7	82.6	1.02	29.6	4.5
All-Tex A102	**945**	43.8	81.0	1.02	27.5	4.3
CG3035RF	**937**	45.5	82.1	1.03	28.1	4.9
FM1740B2RF	**919**	43.6	81.8	1.05	26.8	5.0
NG 4010 B2RF	856	43.6	82.5	1.05	30.0	4.6
GA2007095	856	43.2	81.9	1.08	28.5	4.8
DP 1028 B2RF	816	47.8	81.0	1.04	26.9	5.0
CG3220B2RF	816	44.1	81.9	1.03	25.7	4.6
NG 8015 B2RF	804	41.5	82.5	1.07	30.6	4.6
PHY 367 WRF	800	44.8	82.2	1.09	27.4	4.3
Dyna-Gro 2570B2R	791	43.2	81.8	1.03	27.0	4.7
NG 4012 B2RF	789	45.1	81.4	1.03	27.5	4.6
GA2006053	781	42.5	82.0	1.05	26.8	5.1
ST 4288B2F	767	42.3	80.9	1.05	26.7	4.7
DP 0920 B2RF	765	45.4	81.9	1.05	24.4	4.8
NG 3331 B2RF	764	43.9	81.4	0.98	28.1	4.8
DP 0924 B2RF	745	44.5	80.8	0.99	26.9	4.7
DP 1032 B2RF	704	47.6	80.9	1.02	25.6	4.7
CG3020B2RF	675	40.0	81.7	0.98	24.6	3.9
SSG CT Linwood	671	42.3	80.1	1.01	27.3	4.4
CG3520B2RF	657	41.4	79.7	1.05	23.6	4.0
CG4020B2RF	652	43.5	81.2	1.04	23.5	4.1
All-Tex 7A21	644	45.4	82.5	1.08	27.4	4.7
AM 1550 B2RF	632	43.7	81.3	0.99	23.7	4.5
Average	818	44.0	81.5	1.04	26.9	4.6
LSD 0.10	218	1.2	1.4	0.06	2.3	0.4
CV %	22.6	2.4	1.0	1.03	5.0	4.8

* 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.

Yield Summary for Dryland Earlier Maturity Cotton Varieties, 2010

Variety	Lint Yield[a] Athens	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
PHY 499 WRF	**1685** [1]	**1580** [1]	**551** [1]	977 [5]	**1198** [1]	46.1	83.2	1.08	31.2	4.9
DP 1028 B2RF	**1594** [2]	1362 [4]	**542** [2]	816 [10T]	**1079** [2]	47.1	82.6	1.09	28.2	5.0
DP 0912 B2RF	1238 [12]	1390 [3]	424 [11]	1135 [1]	1047 [3]	44.0	81.9	1.04	28.6	5.1
CG3035RF	1403 [4]	1213 [9]	**449** [7]	937 [7]	1000 [4]	43.9	82.3	1.08	29.3	5.0
PHY 375 WRF	1380 [6]	1161 [13]	**450** [6]	985 [4]	994 [5]	44.9	82.5	1.08	27.5	4.5
All-Tex LA122	1292 [9]	1151 [15]	435 [9]	997 [3]	969 [6]	44.2	82.9	1.12	28.1	4.7
PHY 367 WRF	1384 [5]	1125 [16]	**504** [3]	800 [12]	953 [7]	43.4	81.8	1.10	28.7	4.3
GA2007095	1165 [20]	1355 [5]	392 [17]	856 [9T]	942 [8]	42.6	82.4	1.12	29.9	4.8
DP 1032 B2RF	1230 [15]	**1415** [2]	408 [14]	704 [20]	939 [9]	45.4	82.0	1.10	28.7	4.6
GA2006053	1449 [3]	1123 [17]	374 [20]	781 [15]	932 [10]	40.8	82.5	1.11	27.9	5.0
GA2006106	1296 [8]	1042 [20]	348 [24]	1013 [2]	925 [11]	41.8	82.0	1.15	31.3	4.7
FM1740B2RF	1146 [23]	1237 [7]	372 [21]	919 [8]	919 [12]	43.5	82.0	1.07	28.5	4.8
DP 0920 B2RF	1234 [13]	1163 [12]	**501** [4]	765 [17]	916 [13]	44.6	81.9	1.08	26.5	4.7
Dyna-Gro 2570B2RF	1271 [11]	1174 [10]	418 [12]	791 [13]	914 [14]	43.3	82.5	1.08	29.1	4.8
NG 3331 B2RF	1280 [10]	1251 [6]	347 [25]	764 [18]	910 [15]	43.1	82.3	1.05	30.7	4.8
All-Tex A102	1229 [16]	1074 [18T]	340 [27]	945 [6]	897 [19]	42.1	82.1	1.12	29.4	4.6
DP 0924 B2RF	1212 [17]	1218 [8]	364 [22]	745 [19]	885 [17]	43.9	81.7	1.04	27.8	4.8
AM 1550 B2RF	1194 [18]	1159 [14]	**463** [5]	632 [26]	862 [18]	43.3	82.2	1.05	26.5	4.6
CG3220B2RF	1141 [24]	1028 [22]	**447** [8]	816 [10T]	858 [19]	42.8	82.4	1.07	27.9	4.6
All-Tex 7A21	1339 [7]	1030 [21]	405 [15]	644 [25]	855 [20]	44.5	82.8	1.13	29.8	4.9
SSG CT Linwood	1152 [21]	1165 [11]	415 [13]	671 [22]	850 [21]	42.7	81.8	1.06	30.8	5.1
NG 8015 B2RF	1106 [26]	1074 [18T]	342 [26]	812 [11]	833 [22]	40.7	82.8	1.11	31.1	4.6
ST 4288B2F	1151 [22]	1027 [23]	381 [19]	767 [16]	832 [23]	40.7	81.3	1.07	26.9	4.6
CG3520B2RF	1189 [19]	1068 [19]	385 [18]	657 [23]	825 [24T]	41.3	81.9	1.08	25.5	4.3
CG4020B2RF	1233 [14]	1023 [24]	393 [16]	652 [24]	825 [24T]	42.3	82.4	1.10	25.7	4.2
NG 4010 B2RF	845 [28]	952 [26]	434 [10]	856 [9T]	772 [25]	42.5	82.2	1.08	30.4	4.6
CG3020B2RF	1129 [25]	931 [27]	305 [28]	675 [21]	760 [26]	41.0	82.1	1.03	26.5	4.2
NG 4012 B2RF	900 [27]	984 [25]	355 [23]	789 [14]	757 [27]	44.2	81.7	1.08	29.9	4.5
Average	1245	1160	412	818	909	43.2	82.2	1.08	28.6	4.7
LSD 0.10	182	183	106	218	128	1.1	0.8	0.02	1.2	0.3
CV %	12.4	13.4	21.8	22.6	16.6	2.2	0.9	2.98	4.6	5.3

[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], 2009-2010

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
DP 0912 B2RF	**1214**	44.3	82.6	1.07	28.8	5.1
GA2006053	**1202**	41.6	83.5	1.15	28.8	4.9
Dyna-Gro 2570B2RF	**1199**	44.5	83.0	1.11	28.7	4.9
PHY 375 WRF	**1196**	45.4	82.8	1.11	27.9	4.6
FM1740B2RF	**1190**	44.4	82.5	1.10	28.5	4.8
PHY 367 WRF	**1178**	44.2	82.4	1.12	28.5	4.4
DP 0924 B2RF	**1172**	44.3	82.5	1.07	28.2	4.9
DP 0920 B2RF	1139	44.6	82.8	1.12	26.8	4.9
NG 3331 B2RF	1129	43.4	82.8	1.08	30.4	5.0
AM 1550 B2RF	1115	44.2	82.6	1.09	26.4	4.7
CG3220B2RF	1107	43.2	83.0	1.11	27.4	4.7
All-Tex A102	1057	42.9	83.2	1.15	28.9	4.5
CG3035RF	1046	44.7	82.8	1.10	29.0	4.9
CG4020B2RF	1046	42.8	83.3	1.14	26.5	4.3
ST 4288B2F	1043	41.9	82.3	1.11	27.9	4.8
SSG CT Linwood	1038	43.6	82.8	1.09	31.6	5.2
CG3520B2RF	1022	42.7	82.7	1.12	25.7	4.5
CG3020B2RF	977	41.4	82.7	1.08	26.3	4.3
Average	1115	43.6	82.8	1.11	28.1	4.7
LSD 0.10	66	0.4	0.8	0.02	0.7	0.1
CV %	14.5	2.1	2.5	5.06	4.3	5.1

[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).

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.

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.

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.

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.

Yield Summary for Dryland Later Maturity Cotton Varieties, 2010

Variety	Lint Yield[a] 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).

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
BCSX 1010B2F	1060	43.5	82.4	1.12	28.4	4.7
DP 0935 B2RF	**1145**	44.9	82.1	1.08	27.9	5.0
DP 0949B2RF	**1182**	45.8	83.0	1.12	29.5	5.0
FM 1845LLB2	1069	42.5	83.6	1.17	31.1	4.8
PHY 375 WRF	**1135**	45.3	82.6	1.10	28.7	4.6
PHY 440 W	1035	44.1	83.0	1.09	29.6	4.6
PHY 485 WRF	1038	43.5	83.0	1.11	29.9	4.8
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
ST 5288B2F	1093	44.2	82.5	1.11	27.7	5.0
ST 5458B2RF	**1129**	44.0	82.1	1.11	29.6	5.0
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).

TOBACCO

Tifton, Georgia: Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2010

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
GF 318	3163	4843	153	75	20	43.5	77	3.03	17.0	5.62
PVH 1452	3097	4801	155	76	19	38.7	74	2.58	14.3	5.55
CC 37	3056	4391	144	72	19	40.8	78	2.39	14.9	6.25
NC 471	2990	4747	159	78	21	41.5	77	2.28	14.7	6.45
NC 72	2907	4399	153	75	19	38.9	75	2.60	14.3	5.49
CC 27	2900	3998	138	70	21	40.0	76	2.15	14.5	6.77
Speight 227	2885	4310	150	74	18	35.5	ND[3]	3.07	13.8	4.48
Speight 236	2817	4080	145	73	19	38.2	70	3.18	16.0	5.03
GL 338	2813	4259	151	74	18	38.3	68	2.70	15.1	5.58
NC 196	2786	4540	162	79	20	40.5	81	2.18	16.4	7.51
Speight 168	2779	4201	153	75	18	36.0	75	2.58	14.9	5.79
NC 92	2715	3809	140	72	19	40.1	75	2.35	14.5	6.20
K 326	2708	3863	142	70	20	36.6	81	2.94	15.0	5.09
NC 291	2708	3889	143	72	18	34.1	78	2.60	14.9	5.72
CC 700	2706	3974	147	73	19	37.9	78	2.72	16.6	6.08
PVH 1596	2669	4207	158	77	19	38.3	74	2.19	17.0	7.73
GL 368	2630	4169	158	77	17	37.8	72	2.99	15.8	5.29
NC 71	2555	3858	151	75	19	34.1	76	2.38	15.4	6.47
K 399	2552	4014	158	78	19	34.5	80	2.30	17.5	7.63
K 346	2501	3891	155	78	18	37.9	72	2.43	14.3	5.87
CC 67	2467	3574	144	72	18	35.4	77	2.32	15.9	6.86
Speight 225	2460	3866	157	77	18	38.0	78	2.55	15.0	5.89
NC 297	2433	3611	148	73	19	37.0	77	2.33	16.0	6.89
NC 2326	2402	3612	150	75	18	38.0	67	2.47	11.8	4.79
NC 299	2387	3682	154	75	19	36.7	82	2.16	15.3	7.11
PVH 2277	2334	3771	162	78	18	34.7	78	2.55	17.9	7.02
GF 52	2302	3743	162	80	17	36.9	77	2.67	14.3	5.33
NC 95	2178	2996	138	68	19	40.4	82	2.69	16.0	5.97
LSD @ 0.05	632.7	1026.3	12.2	5.1						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 163 lbs/a 15.5-0-0 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two year average (2008-2009) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.
3. No Data; this entry was chemically topped with sucker control materials.

Researched by Stevan S. LaHue and C.E. Troxell supported by grants from the Georgia Tobacco Commission.

Tifton, Georgia:
Three and Two -Year Averages of Official Flue-Cured Tobacco Variety Tests - Comparison of Released Varities for Certain Characteristics, 2007, 2008 and 2010

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
Three-Year Average 2007, 2008 and 2010										
K 326	3345	4674	139	73	20	38	76	2.68	16.3	5.36
CC 27	3336	4331	131	70	21	39	72	2.51	15.3	6.12
Speight 227	3334	4517	135	71	20	38	72	2.81	14.8	5.33
CC 37	3315	4259	129	68	18	39	76	2.82	13.9	5.02
NC 196	3218	4614	143	75	21	40	76	2.38	16.4	7.04
Speight 236	3180	4513	142	74	20	39	74	3.05	15.3	5.04
NC 297	3166	4468	141	72	20	38	73	2.42	16.8	6.96
NC 71	3162	4460	139	72	20	36	73	2.74	14.7	5.46
Speight 168	3133	4361	140	73	19	37	74	2.62	15.7	6.00
NC 291	3093	3994	128	69	19	36	74	2.93	14.8	5.14
NC 72	3087	4183	134	70	20	37	72	3.06	14.3	4.70
CC 700	3044	4221	137	73	20	36	73	2.84	15.1	5.39
Speight 225	2978	4008	134	70	19	37	72	2.69	14.1	5.30
NC 95	2909	3365	118	65	19	40	73	3.31	15.0	4.66
K 346	2889	4117	140	74	21	35	71	2.91	13.2	4.72
NC 299	2877	4128	144	74	20	37	76	2.51	16.8	6.74
NC 2326	2466	2795	114	62	17	37	65	3.55	12.8	3.80
Two-Year Average 2008 and 2010										
Speight 227	3413	5161	151	74	20	38	73	2.79	15.0	5.49
NC71	3367	5045	150	74	20	36	74	2.59	15.3	5.98
NC 196	3334	5114	155	77	21	41	78	2.11	16.2	7.70
NC 72	3279	4887	150	74	22	39	74	2.97	13.7	4.70
K 326	3271	4893	149	72	22	40	81	2.78	15.8	4.50
CC 37	3251	4434	137	68	17	41	78	2.75	14.1	5.22
CC 27	3248	4497	139	71	22	40	74	2.37	14.7	6.23
NC 92	3236	4793	147	73	20	40	76	2.68	15.7	5.90
Speight 168	3198	4695	149	73	19	38	75	2.62	15.0	5.74
GF 52	3194	4782	153	76	19	39	76	2.85	14.5	5.12
NC 297	3157	4798	151	74	21	39	75	2.47	15.9	6.44
Speight 236	3150	4730	149	74	21	40	75	2.99	15.7	5.27
CC 700	3068	4579	148	74	20	38	76	2.66	15.7	5.94
K 346	3019	4677	154	76	22	36	75	2.52	13.7	5.44
Speight 225	3000	4638	155	76	19	39	74	2.60	14.7	5.65
NC 299	2847	4388	154	74	20	38	79	2.42	16.4	6.80
NC 95	2750	3578	131	67	19	39	76	3.22	14.7	4.73
NC 2326	2533	3054	121	63	18	38	67	3.51	11.9	3.70

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 163 lbs/a 15.5-0-0 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two year average (2008-2009) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

Researched by Stevan S. LaHue and C.E. Troxell supported by grants from the Georgia Tobacco Commission.

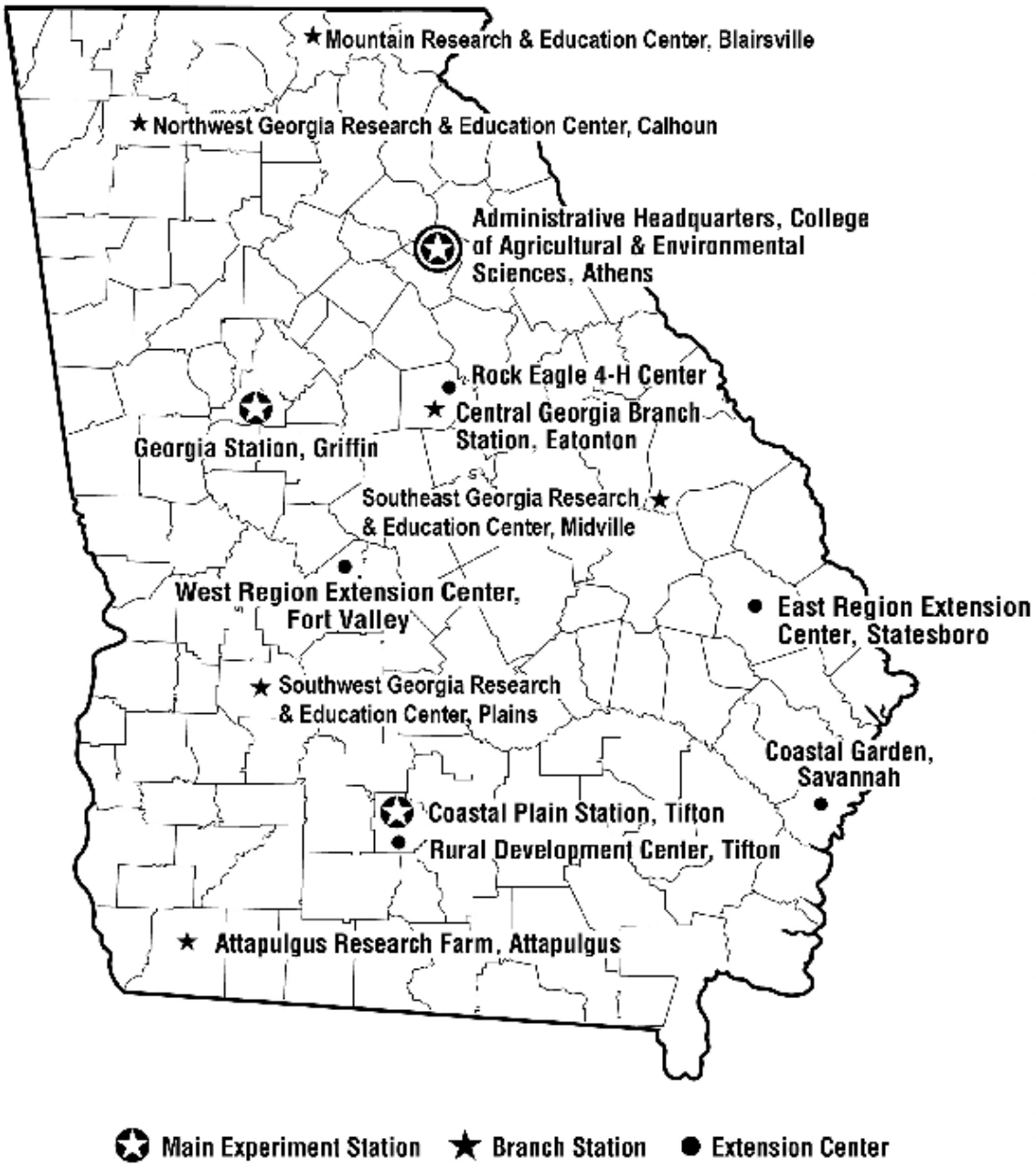
Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test -
Comparison of Released Varieties for Certain Characteristics, 2010

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
NC EX 24	2947	4600	155.3	76	20	39.8	ND[3]	3.43	12.6	3.66
ULT 142	2887	4401	152.3	75	20	39.1	74	2.81	14.4	5.14
NC 95	2860	3739	132	65	21	43.3	72	2.83	14.2	5.00
NC EX 25	2848	4044	141.2	69	20	37.1	78	2.38	12.1	5.07
CC 304	2771	4040	145.9	71	19	39.8	74	2.77	11.8	4.26
XP 275	2769	4070	145.7	72	22	43.5	75	2.18	16.8	7.72
GLEX 328	2753	4048	146.7	72	20	39.3	79	2.92	15.7	5.37
ULT 112	2749	4173	151.3	74	21	40.7	79	1.90	18.5	9.73
NC EX 10	2719	4065	149.5	73	20	39.5	76	2.48	16.8	6.75
XP 248	2694	4186	155	75	20	43.9	81	2.89	13.4	4.63
CU 110	2678	3987	145.9	71	21	40.7	73	3.00	15.7	5.23
CU 75	2658	3714	138.9	67	19	39.7	74	2.35	12.4	5.28
AOV 911	2595	3869	149.5	72	20	39.9	ND[3]	2.64	17.7	6.72
GL 395	2508	3689	145.2	70	20	41.0	73	2.09	18.3	8.77
NC 2326	1962	2589	133.1	63	17	36.3	72	2.48	13.6	5.50
LSD @ 0.05	365.3	714.6	13.53	6.68						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 163 lbs/a 15.5-0-0 with plants spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two year average (2008-2009) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.
3. No Data; this entry was chemically topped with sucker control materials.

Researched by Stevan S. LaHue and C.E. Troxell supported by grants from the Georgia Tobacco Commission.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