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GEORGIA

2011 Peanut, Cotton and Tobacco Performance Tests

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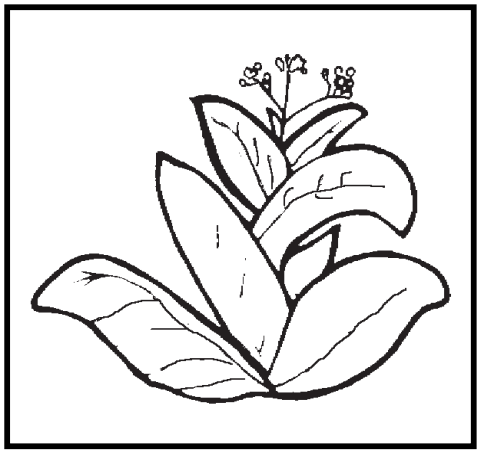
Editors



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

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PREFACE

This research report presents the results of the 2011 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 2012 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 2011 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2011 Corn Performance Tests (Annual Publication 101-3), 2010-2011 Small Grains Performance Tests (Annual Publication 100-3), 2011 Soybean, Sorghum Grain and Silage, and Summer Annual Forage Performance Tests (Annual Publication 103-3), and 2010-2011 Canola Performance data (www.swvt.uga.edu/canola).

This report, along with performance test information on other crops, is also available online at **www.swvt.uga.edu**. Additional information may be obtained by writing to 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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CONTENTS

2011 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 of 2011 began with abnormally dry soil, completely different than the March 2010 wet and cold soil conditions. However, during early spring most areas did have enough moisture for seeding. Planting progressed ahead of five-year averages. Plant stands and early season growth were good in most areas. Due to a dry April, in early May less than half of the state had adequate moisture, and as the lack of rainfall and high temperatures continued into the end of May, two-thirds of the state was under a severe drought. Producers quickly fell behind in crop progress to late planting their crops or not planting at all. Most of the non-irrigated crops were severely damaged beyond salvage from the high heat and lack of moisture. Irrigation, which began at planting, struggled to keep up over much of the state throughout the summer and fall. Insects were a concern in most areas. Diseases, especially white mold, developed into an issue for the majority of the peanut growing area of the state and persisted throughout the growing season.

Rainfall amounts recorded monthly at the five test locations in Georgia during the 2011 growing season are presented in the following table. Seasonal rainfall totals were below normal all across the state. The average rainfall deficit was near 12 inches or 34% in the Piedmont and Coastal Plain regions, with the only exception being the Tifton area where 82% of normal rainfall occurred. Extremely dry conditions (60% of normal rainfall) persisted for the last two years in Burke (Midville) and Sumter (Plains) counties and surrounding areas.

2011 Rainfall[1]

Month	Athens[2]	Attapulgus[3]	Midville	Plains	Tifton
March	7.89	4.51	2.85	3.02	1.54
April	2.50	2.36	1.41	2.01	1.60
May	1.40	1.05	2.33	0.03	0.01
June	3.69	4.84	1.73	1.12	4.48
July	1.90	5.68	3.15	7.00	6.26
August	1.00	1.55	1.02	1.50	1.82
September	1.63	3.31	2.40	3.38	5.71
October	3.57	4.21	2.46	1.22	4.81
November	2.78	3.27	2.05	1.96	1.34
Total	26.36	30.78	19.40	21.24	27.57
Normal (9 mo)*	35.92	41.76	32.60	35.23	33.65

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

J. LaDon Day is the program director 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.

Crop maturity progressed ahead of the five-year average and harvest conditions during 2011 were excellent. Georgia peanut producers planted 475,000 acres this year, a 16% decrease from last year and the lowest planting in 29 years. During 2011 cotton farmers seeded 1.60 million acres, 20% more than last year. Tobacco planting in the state abated, reflecting a steady 10-year decline as 11,500 acres were transplanted during the 2011 crop year.

The state per acre yield for peanuts was 3,400 pounds, which matched 2008 but produced 18% less than last year and the lowest tonnage of nuts produced in nine years. Cotton per acre yield in 2011 of 837 pounds was 2% higher than last year and the highest per acre yield in six years. This yield level totaled over harvested acres of cotton produced a new record for cotton production in Georgia. Tobacco production in the state of Georgia continued to decline due to a 2% decrease in per-acre yield during 2011 compared to 2010.

PEANUT

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Spanish Types								
GA 082549[1]	09/30	**4870**	77.0	3.0	0.0	0.0	868	0.0
Georgia-04S	09/30	**4795**	74.5	4.0	0.5	0.0	1015	0.0
GA 082550[1]	10/17	**4779**	75.5	3.5	0.5	0.0	1066	0.0
GA 082548[1]	09/30	**4764**	75.5	3.5	0.0	0.0	966	0.0
GA 082554[1]	10/17	**4731**	76.5	3.0	0.5	0.0	1054	0.0
GA 082551[1]	10/17	**4577**	78.0	3.0	0.0	0.0	1079	0.0
GA 082552[1]	10/17	**4559**	76.0	4.5	0.0	0.0	1001	0.0
GA 082553[1]	10/17	**4426**	76.5	3.5	0.0	0.0	937	0.0
Georgia Browne	09/30	3966	72.5	6.0	0.0	0.0	1045	0.0
Tamspan 90	08/23	2883	62.0	9.0	0.0	0.0	1127	0.0
Tamnut OL06	08/23	2862	62.0	5.5	0.5	0.0	905	0.0
OLin	08/23	2333	64.0	6.5	0.5	0.0	1186	0.0
Pronto	08/12	2263	65.0	8.0	0.5	0.0	1182	0.0
Spanco	08/12	2217	63.0	7.0	1.0	0.0	1145	0.0
Average	09/21	3859	71.3	5.0	0.3	0.0	1041	0.0
LSD at 10% Level		494	3.3	2.4	-	-	98	-
C.V. %		16.1	2.9	20.0	-	-	5.0	-
Valencia Types								
Valencia McRan	08/12	1717	56.5	10.5	0.5	0.0	1173	0.0
Georgia Red	08/23	1716	61.5	8.5	0.5	0.0	966	0.0
N.M. Valencia A	08/12	1690	54.5	11.5	0.5	0.0	1165	0.0
N.M. Valencia C	08/12	1667	52.5	13.0	0.5	0.0	1176	0.0
H & W Valencia 136	08/12	1582	49.5	14.0	0.5	0.0	1241	0.0
Georgia Valencia	08/23	1558	48.5	8.0	5.0	0.0	910	0.0
Average	08/16	1655	53.8	10.9	1.3	0.0	1105	0.0
LSD at 10% Level		494	3.3	2.4	-	-	98	-
C.V. %		16.1	2.9	20.0	-	-	5.0	-

1. Advanced Georgia breeding line.

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

Planted: May 9, 2011.
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 = 6.5.
Soil Type: Tifton sandy loam.
Previous Crop: Cotton.
Management: Disked, moldboard plowed and rototilled; Sonalan, Dual Magnum, Ultra Blazer and Basagran used for weed control; Provost, Folicur, Clorothilanil and Artisan used for fungal control; 1000 lb/acre Landplaster; irrigated 9 inches.

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

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
GA 072531[1]	10/17	**6434**	73.5	3.5	0.5	0.0	723	0.0
GA 082546[1]	10/17	**6089**	77.0	3.5	0.0	0.0	891	0.0
GA 072716[1]	09/30	**6002**	75.5	3.5	0.0	0.0	792	0.0
FloRun™ '107'	09/30	5433	73.5	4.0	0.0	0.0	712	0.0
GA 082524[1]	10/17	5421	75.5	4.0	0.5	0.0	923	0.0
GA 072515[1]	09/16	5385	79.0	2.0	0.5	0.0	693	0.0
Georgia-06G	09/16	5345	77.0	2.0	0.5	0.0	623	0.0
GA 072514[1]	09/16	5276	82.0	1.0	0.0	0.0	705	0.0
Georgia-10T	10/17	5273	78.5	2.5	0.5	0.0	669	0.0
Florida-07	09/30	5260	72.5	2.5	0.0	0.0	585	0.0
Georgia Greener	09/16	5185	77.5	2.5	0.0	0.0	708	0.0
Georgia-07W	09/30	5115	76.0	2.5	0.5	0.0	688	0.0
GA 082522[1]	09/30	5106	75.0	5.0	0.0	0.0	828	0.0
Tifguard	09/16	5061	75.0	2.0	0.0	0.0	617	0.0
GA 072523[1]	09/16	4991	78.5	1.5	0.0	0.0	648	0.0
UF 10302[2]	09/16	4982	76.0	1.5	1.5	0.0	653	0.0
Georgia-09B	09/16	4949	77.0	2.0	0.0	0.0	721	0.0
Georgia-02C	09/30	4604	74.5	4.0	0.0	0.0	835	0.0
GA 082549[1]	09/30	4586	76.0	3.0	0.0	0.0	909	0.0
GA 082548[1]	09/30	4547	74.0	5.0	0.0	0.0	962	0.0
Georgia Green	09/16	4483	76.0	3.0	0.5	0.0	813	0.0
Average	09/27	5216	76.2	2.9	0.2	0.0	747	0.0
LSD at 10% Level		508	3.2	-	-	-	47	-
C.V. %		10.4	2.6	-	-	-	4.1	-
Virginia Types								
Georgia-08V	09/16	5376	71.5	2.0	3.0	61.5	466	89.5
CHAMPS	08/23	5212	72.5	1.5	0.0	42.5	478	86.5
Bailey	08/23	5200	69.0	3.5	0.0	40.0	508	86.5
Georgia-11J	10/17	5161	74.5	1.0	0.5	60.5	406	83.5
Gregory	08/23	4925	68.0	2.0	0.0	44.5	516	86.5
Sugg	08/23	4895	70.5	2.0	0.0	48.5	499	85.5
Florida Fancy	09/16	4668	69.5	1.5	0.0	45.0	500	84.5
Titan	08/23	4356	63.0	1.5	0.5	30.5	473	93.0
Perry	08/23	4280	68.5	3.5	0.0	33.5	551	76.0
Average	09/03	4897	69.7	2.1	0.4	45.2	488	85.7
LSD at 10% Level		508	3.2	-	-	5.7	47	5.7
C.V. %		10.4	2.6	-	-	24.7	4.1	10

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Advanced Florida breeding line.

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

Planted:	May 9, 2011.
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 = 6.5.
Soil Type:	Tifton sandy loam.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed and rototilled; Sonalan, Dual Magnum, Ultra Blazer and Basagran used for weed control; Provost, Folicur, Clorothilanil and Artisan used for fungal control; 1000 lb/acre Landplaster; irrigated 9 inches.

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

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Florida-07	10/28	**5364**	66.5	4.0	2.0	0.0	591	0.0
GA 072531[1]	10/28	**5282**	70.0	5.5	0.5	0.0	735	0.0
Georgia Greener	10/17	**5179**	70.5	5.5	1.0	0.0	731	0.0
Georgia-07W	10/28	**4924**	73.5	3.0	0.5	0.0	642	0.0
Georgia-10T	10/28	4725	69.0	6.0	3.0	0.0	700	0.0
Georgia-06G	10/17	4580	73.0	4.0	0.5	0.0	772	0.0
GA 072523[1]	10/17	4559	72.0	3.5	0.5	0.0	788	0.0
GA 082549[1]	10/28	4520	71.0	6.5	0.5	0.0	877	0.0
GA 072716[1]	10/28	4429	62.5	10.0	2.0	0.0	941	0.0
GA 082522[1]	10/28	4413	72.0	6.0	1.5	0.0	793	0.0
FloRun™ '107'	10/28	4383	68.5	6.5	1.5	0.0	738	0.0
Tifguard	10/17	4350	69.0	5.5	0.5	0.0	677	0.0
GA 072515[1]	10/17	4292	72.5	4.0	0.5	0.0	949	0.0
GA 082546[1]	10/28	4274	68.5	8.0	0.5	0.0	867	0.0
UF 10302[2]	10/17	4117	69.5	5.5	0.0	0.0	678	0.0
Georgia-09B	10/17	4029	68.0	7.0	0.5	0.0	777	0.0
Georgia Green	10/17	4013	69.0	6.5	1.0	0.0	833	0.0
GA 082548[1]	10/28	4005	71.0	5.0	1.0	0.0	926	0.0
Georgia-02C	10/28	4002	71.0	4.5	1.0	0.0	937	0.0
GA 072514[1]	10/17	3933	75.5	3.5	0.5	0.0	933	0.0
GA 082524[1]	10/28	3442	67.0	8.5	1.5	0.0	925	0.0
Average	10/23	4420	70.0	5.6	1.0	0.0	800	0.0
LSD at 10% Level		501	6.1	-	-	-	109	-
C.V. %		12.6	5.3	-	-	-	8.9	-
Virginia Types								
Georgia-11J	10/28	4779	64.5	3.0	0.5	43.5	523	74.5
Georgia-08V	10/17	4244	63.0	4.5	4.0	39.5	522	75.0
CHAMPS	09/16	3830	65.5	3.0	1.5	39.5	515	88.5
Gregory	09/16	3805	61.0	3.0	1.0	32.0	575	80.0
Bailey	09/16	3748	69.0	1.5	0.0	40.0	504	79.5
Sugg	09/16	3213	66.0	2.5	0.0	41.5	525	82.5
Florida Fancy	10/17	3198	58.5	5.0	2.0	25.5	566	72.0
Titan	09/16	3110	53.0	4.5	1.0	26.5	585	82.0
Perry	09/16	2287	67.5	2.5	1.0	39.0	553	69.5
Average	09/28	3579	63.1	3.3	1.2	36.3	541	78.2
LSD at 10% Level		501	6.1	-	-	6.5	109	6.5
C.V. %		12.6	5.3	-	-	3.8	8.9	16.3

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Nonirrigated (Continued)

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

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

Planted:	May 10, 2011.
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:	Tifton loamy sand.
Previous Crop:	Corn and Grain Sorghum.
Management:	Disked, moldboard plowed and rototilled; Sonalan, Dual Magnum, Basagran, 24DB and Select used for weed control; Provost, Folicur, Clorothilanil and Artisan used for fungal control; 1000 lb/acre Landplaster.

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

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
GA 072716[1]	10/05	**6271**	73.0	4.5	0.0	0.0	852	0.0
Georgia-06G	10/05	**6207**	75.0	3.0	0.5	0.0	798	0.0
GA 082522[1]	10/05	5729	74.0	4.5	1.5	0.0	876	0.0
Georgia-07W	10/05	5554	76.0	3.0	0.0	0.0	658	0.0
FloRun™ '107'	10/05	5492	72.5	4.0	0.5	0.0	788	0.0
Georgia-02C	10/05	5469	74.5	3.5	0.0	0.0	776	0.0
Georgia-09B	10/05	5333	76.0	3.0	0.5	0.0	747	0.0
Georgia Greener	10/05	5236	77.0	4.5	0.0	0.0	725	0.0
Florida-07	10/05	5218	71.0	3.5	0.5	0.0	730	0.0
UF 10302[2]	10/05	5170	73.0	5.0	0.0	0.0	654	0.0
GA 072531[1]	10/26	5106	72.0	3.5	0.0	0.0	788	0.0
GA 072523[1]	10/05	5049	76.0	2.5	0.0	0.0	702	0.0
GA 072515[1]	10/05	5049	78.5	2.0	0.0	0.0	767	0.0
Georgia Green	10/05	4893	75.5	3.5	0.0	0.0	731	0.0
GA 072514[1]	10/05	4770	78.5	2.5	0.5	0.0	744	0.0
GA 082548[1]	10/05	4625	75.0	4.0	0.0	0.0	916	0.0
Tifguard	10/05	4532	73.5	3.5	0.5	0.0	724	0.0
GA 082546[1]	10/26	4513	73.5	5.5	0.0	0.0	935	0.0
GA 082524[1]	10/26	4389	77.0	3.5	0.0	0.0	831	0.0
GA 082549[1]	10/05	4356	76.0	3.0	0.0	0.0	961	0.0
Georgia-10T	10/26	4127	77.0	3.5	0.0	0.0	655	0.0
Average	10/09	5099	75.0	3.6	0.2	0.0	779	0.0
LSD at 10% Level		411	3.5	-	-	-	12.1	-
C.V. %		8.6	2.8	-	-	-	10.5	-
Virginia Types								
Georgia-08V	10/05	5757	75.0	1.0	0.5	61.0	404	86.5
Bailey	09/26	4907	72.0	1.5	0.0	47.5	501	85.5
Gregory	09/26	4819	66.5	3.5	0.0	38.5	447	89.5
Florida Fancy	10/05	4734	73.0	1.0	0.0	57.0	422	92.5
CHAMPS	09/26	4692	68.5	1.5	0.0	53.0	427	92.0
Sugg	09/26	4665	72.5	1.5	0.0	51.5	477	87.0
Perry	09/26	4365	71.5	2.0	1.0	48.0	477	77.0
Georgia-11J	10/26	4309	75.0	1.0	0.0	62.0	409	89.0
Titan	09/26	4105	69.0	2.5	1.5	48.0	436	93.0
Average	10/01	4706	71.4	1.7	0.3	51.8	444	88.0
LSD at 10% Level		411	3.5	-	-	5.3	12.1	2.2
C.V. %		8.6	2.8	-	-	20	10.5	5

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated (Continued)

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

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

Planted:	May 19, 2011.
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 = 5.9.
Soil Type:	Greenville loamy sand.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed and rototilled; Valor, Strongarm and Sonalan used for weed control; Lorsban used for insect control; Provost used for fungal control; 1000 lb/acre lime; irrigated 10 inches.

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

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
GA 072716[1]	10/26	**3987**	68.5	7.0	0.0	0.0	910	0.0
Georgia-07W	10/26	**3910**	70.5	4.0	0.0	0.0	764	0.0
Georgia-06G	10/26	**3815**	70.5	4.5	0.0	0.0	683	0.0
Georgia-09B	10/26	**3582**	71.5	4.5	0.0	0.0	762	0.0
FloRun™ '107'	10/26	**3570**	69.5	6.0	0.0	0.0	904	0.0
GA 082522[1]	10/26	**3554**	74.0	5.0	0.0	0.0	833	0.0
GA 072531[1]	10/26	3503	65.5	7.0	0.0	0.0	781	0.0
GA 082549[1]	10/26	3503	72.5	4.0	0.0	0.0	993	0.0
Florida-07	10/26	3481	67.0	6.0	0.0	0.0	747	0.0
Georgia-02C	10/26	3458	69.0	5.5	0.0	0.0	820	0.0
GA 072523[1]	10/26	3395	74.5	2.0	0.0	0.0	759	0.0
GA 072515[1]	10/26	3358	73.5	3.0	0.0	0.0	760	0.0
Georgia Greener	10/26	3307	73.5	3.5	0.5	0.0	758	0.0
GA 072514[1]	10/26	3260	73.0	5.0	0.0	0.0	785	0.0
UF 10302[2]	10/26	3246	71.5	3.5	0.0	0.0	712	0.0
Tifguard	10/26	3140	70.5	4.5	0.0	0.0	688	0.0
GA 082548[1]	10/26	3140	71.5	5.0	0.0	0.0	1070	0.0
GA 082524[1]	10/26	3010	72.0	5.0	0.0	0.0	879	0.0
GA 082546[1]	10/26	2983	71.0	5.5	0.0	0.0	748	0.0
Georgia Green	10/26	2964	69.0	7.0	0.0	0.0	839	0.0
Georgia-10T	10/26	2849	73.5	4.5	0.0	0.0	726	0.0
Average	10/26	3382	71.0	4.9	0.0	0.0	806	0.0
LSD at 10% Level		439	2.7	-	-	-	98	-
C.V. %		13.8	2.2	-	-	-	8.0	-
Virginia Types								
Georgia-08V	10/26	**3673**	72.5	1.5	0.0	45.5	499	74.5
Sugg	10/05	**3639**	70.5	3.0	0.5	47.5	471	76.0
Gregory	10/05	**3582**	67.5	2.5	1.0	51.0	488	87.0
CHAMPS	10/05	3518	68.5	2.5	0.5	34.0	478	83.5
Bailey	10/05	3319	66.5	4.0	0.0	19.5	584	69.0
Georgia-11J	10/26	2955	68.5	2.5	0.5	43.5	535	64.0
Perry	10/05	2929	71.0	3.0	0.0	33.5	529	60.5
Titan	10/05	2716	62.0	2.0	1.0	41.5	454	90.5
Florida Fancy	10/26	2384	67.0	3.0	0.0	28.5	575	72.5
Average	10/12	3190	68.2	2.7	0.4	38.3	512	75.3
LSD at 10% Level		439	2.7	-	-	4.1	98	6.7
C.V. %		13.8	2.2	-	-	20.9	8.0	17.4

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Nonirrigated (Continued)

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

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

Planted:	May 23, 2011.
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 = 5.9.
Soil Type:	Greenville loamy sand.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed and rototilled; Valor, Strongarm and Sonalan used for weed control; Lorsban used for insect control; Provost used for fungal control.

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

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
GA 072716[1]	10/17	**7556**	77.0	3.5	0.0	0.0	812	0.0
GA 072531[1]	10/17	**7458**	76.0	2.0	0.0	0.0	749	0.0
Georgia-07W	10/17	**7161**	77.5	3.0	0.0	0.0	658	0.0
FloRun™ '107'	10/17	6912	76.5	2.5	0.0	0.0	674	0.0
Georgia-09B	10/01	6888	76.5	2.0	0.0	0.0	648	0.0
GA 072515[1]	10/01	6864	78.0	2.5	0.0	0.0	694	0.0
Georgia-06G	10/01	6814	77.0	2.0	0.5	0.0	592	0.0
GA 082524[1]	10/17	6785	77.0	2.5	0.0	0.0	804	0.0
Tifguard	10/01	6768	74.5	3.0	0.0	0.0	606	0.0
GA 082522[1]	10/17	6767	78.0	4.0	0.0	0.0	799	0.0
Florida-07	10/17	6707	74.0	3.0	0.0	0.0	628	0.0
Georgia Greener	10/01	6590	77.0	1.5	0.0	0.0	663	0.0
GA 082546[1]	10/17	6583	76.5	2.5	0.0	0.0	838	0.0
Georgia-10T	10/17	6458	80.5	1.5	0.0	0.0	671	0.0
GA 082549[1]	10/17	6367	77.0	2.5	0.0	0.0	808	0.0
GA 072514[1]	10/01	6357	79.5	2.5	0.0	0.0	713	0.0
GA 072523[1]	10/01	6248	78.5	1.5	0.0	0.0	677	0.0
UF 10302[2]	10/01	6189	76.0	3.0	0.0	0.0	649	0.0
GA 082548[1]	10/17	6088	75.5	4.5	0.0	0.0	943	0.0
Georgia-02C	10/17	5994	75.0	3.0	0.5	0.0	766	0.0
Georgia Green	10/01	5919	76.0	3.5	0.0	0.0	796	0.0
Average	10/10	6642	76.8	2.7	0.0	0.0	723	0.0
LSD at 10% Level		584	2.5	-	-	-	57	-
C.V. %		9.7	2.0	-	-	-	5.2	-
Virginia Types								
Georgia-11J	10/17	7239	76.5	1.0	0.0	60.0	412	85.0
Georgia-08V	10/01	6637	75.0	1.5	0.5	56.0	504	71.0
Florida Fancy	10/01	6014	72.0	2.0	0.5	47.0	495	73.0
Gregory	09/19	5285	70.5	1.5	0.5	58.0	448	90.0
Sugg	09/19	4851	71.5	3.0	0.0	43.5	495	82.0
Bailey	09/19	4834	72.0	3.0	0.5	48.0	500	84.5
CHAMPS	09/19	4795	73.5	1.5	0.5	48.0	468	84.5
Titan	09/19	4784	69.0	1.0	0.5	49.5	420	88.0
Perry	09/19	4637	71.5	2.5	0.0	37.5	503	80.5
Average	09/25	5453	72.4	1.9	0.3	49.7	472	82.1
LSD at 10% Level		584	2.5	-	-	3.6	57	2.7
C.V. %		9.7	2.0	-	-	14.2	5.2	6.4

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Irrigated (Continued)

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

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

Planted:	May 12, 2011.
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 = 5.8.
Soil Type:	Tifton sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed and field conditioned; Sonalan, Valor, Acumen, Gramoxone, Storm and Duel used for weed control; Headline, Folicur, Convoy and Chlorothalonil used for fungal control; 1000 lb/a Dolemite Lime and 1000 lb/a Gypsum; irrigated 15 inches.

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

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2011, Nonirrigated

Peanut varieties were planted at this location on May 12, 2011 in a nonirrigated test. However, extensive damage throughout the growing season from lack of rainfall, high temperatures and droughty growing conditions resulted in a peanut crop not useful for performance evaluation.

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

COTTON

Bainbridge, Georgia:
Earlier Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1028 B2RF	**1942**	46.8	84.7	1.14	28.4	5.1
DP 1133 B2RF	**1928**	46.5	85.0	1.16	31.7	5.0
AM1511 B2RF	**1886**	45.1	84.2	1.15	31.1	4.5
PHY 499 WRF	**1877**	46.4	84.9	1.14	31.2	5.0
DP 0912 B2RF	**1847**	43.3	83.4	1.13	29.6	5.1
CG 3787 B2RF	**1781**	45.7	85.0	1.16	28.5	4.9
Dyna-Gro 2570B2RF	**1761**	43.4	84.9	1.15	29.2	4.8
BRS286	1707	42.4	84.0	1.14	31.8	4.6
GA2006106	1691	42.0	85.0	1.19	33.9	4.8
PHY 375 WRF	1684	44.6	83.9	1.15	29.0	4.6
BX 1252LLB2	1681	42.1	83.9	1.17	30.9	4.9
BX 1262B2F	1667	43.3	83.9	1.17	29.2	4.8
DP 0949B2RF	1655	44.6	84.5	1.15	30.4	5.0
PHY 367 WRF	1640	43.8	84.6	1.19	29.6	4.5
BCSX 1150B2RF	1626	39.6	85.4	1.22	32.9	4.7
GA2004143	1617	44.5	84.8	1.18	34.9	4.9
ST 4288B2F	1606	40.3	83.5	1.15	26.9	4.8
All-Tex ATX3039 B2RF	1593	43.7	84.0	1.14	29.1	4.5
FM1740B2RF	1580	42.9	83.7	1.16	29.8	4.7
ST 4145LLB2	1566	42.7	84.8	1.17	33.7	4.5
BRS293	1542	42.0	84.5	1.17	33.4	4.9
AM 1550 B2RF	1526	42.5	83.5	1.14	27.1	4.9
All-Tex LA122	1524	43.8	85.1	1.17	29.8	4.6
SSG CT310 HQ	1522	41.3	83.8	1.15	33.3	4.8
DP 0920 B2RF	1507	43.8	83.9	1.15	28.3	4.8
All-Tex 7A21	1503	44.2	84.3	1.17	30.2	4.8
All-Tex ATX81144	1481	42.7	85.8	1.25	31.9	4.0
DP 0924 B2RF	1468	41.9	85.1	1.15	30.7	5.1
SSG HQ 210 CT	1399	40.6	82.3	1.13	30.3	4.7
GA2008057	1302	40.0	84.8	1.19	33.9	4.4
SSG CT Linwood	1185	41.4	84.3	1.13	33.8	5.2
Average	1622	43.2	84.3	1.16	30.8	4.7
LSD 0.10	190	0.8	1.2	0.03	2.3	0.3
CV %	10.0	1.6	0.8	1.82	4.4	4.2

* 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 11, 2011.
Harvested: October 17, 2011.
Soil Type: Bonnaeu blanton loamy sand.
Fertilization: 180 lb N, 71 lb P_2O_5, and 122 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.60	4.80	1.60	3.20	0.80
Rainfall (in):	2.10	1.35	9.10	2.35	5.05

Trials conducted by Larry Thompson.

Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2957**	47.7	84.5	1.14	31.1	4.7
DP 0912 B2RF	**2924**	45.8	83.3	1.12	27.8	4.6
DP 1028 B2RF	**2777**	46.1	85.2	1.18	28.3	5.0
All-Tex ATX3039 B2RF	**2741**	45.2	84.6	1.16	28.8	4.6
AM1511 B2RF	2637	47.9	84.8	1.16	29.6	5.1
DP 0949B2RF	2610	44.2	84.9	1.18	30.0	4.8
DP 0924 B2RF	2599	44.4	84.4	1.15	30.2	5.0
GA2004143	2597	44.7	84.8	1.22	32.6	4.6
BRS293	2582	44.2	84.4	1.16	31.3	4.8
BCSX 1150B2RF	2580	42.1	84.5	1.19	32.5	5.2
BX 1252LLB2	2567	43.7	83.7	1.16	30.9	4.6
CG 3787 B2RF	2547	43.6	84.2	1.16	30.4	4.6
GA2006106	2534	43.2	85.2	1.25	33.2	4.7
BX 1262B2F	2534	44.8	84.7	1.16	31.3	5.1
FM1740B2RF	2532	44.8	83.4	1.12	27.8	5.0
All-Tex ATX81144	2530	42.8	83.7	1.23	32.1	4.2
PHY 375 WRF	2528	44.7	84.4	1.16	28.7	4.7
DP 0920 B2RF	2510	45.5	83.9	1.15	26.9	4.8
ST 4145LLB2	2494	43.4	85.4	1.18	31.2	4.6
All-Tex 7A21	2490	44.7	84.8	1.19	30.2	4.6
SSG HQ 210 CT	2451	41.2	83.4	1.16	30.5	4.8
AM 1550 B2RF	2439	42.7	84.5	1.13	28.1	4.8
Dyna-Gro 2570B2RF	2426	42.0	84.1	1.17	29.8	4.8
All-Tex LA122	2387	45.6	84.9	1.17	28.5	4.3
SSG CT Linwood	2347	43.9	85.1	1.13	33.7	5.4
ST 4288B2F	2341	42.2	83.9	1.17	27.0	4.9
DP 1133 B2RF	2335	47.0	85.6	1.18	31.9	4.8
PHY 367 WRF	2328	43.6	84.4	1.15	28.9	4.7
SSG CT310 HQ	2197	41.4	84.7	1.16	33.3	4.9
BRS286	2070	42.1	83.1	1.11	31.8	4.8
GA2008057	1750	42.0	85.5	1.21	32.2	4.3
Average	2495	44.1	84.4	1.16	30.3	4.7
LSD 0.10	244	1.5	N.S.[1]	0.05	2.8	0.5
CV %	8.4	2.8	1.0	2.47	5.4	6.0

* 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 3, 2011.
Harvested: October 3, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 96 lb N, 80 lb P_2O_5, and 60 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0	1.90	2.45	4.00	4.00	0
Rainfall (in):	1.41	2.32	1.76	2.22	1.50	2.51

Trials conducted by Larry Thompson.

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
ST 4145LLB2	**2150**	41.6	83.9	1.20	31.2	4.0
DP 0912 B2RF	**2022**	42.6	84.9	1.17	30.3	4.5
AM1511 B2RF	**1957**	44.1	84.7	1.18	29.4	4.5
DP 1133 B2RF	**1947**	44.1	85.1	1.21	30.9	4.3
PHY 367 WRF	**1931**	42.1	84.9	1.21	29.9	4.1
ST 4288B2F	**1924**	39.2	84.6	1.22	31.1	4.2
All-Tex ATX3039 B2RF	**1912**	43.0	84.0	1.19	28.4	3.9
CG 3787 B2RF	**1908**	43.9	85.3	1.18	28.2	4.4
BX 1252LLB2	1849	40.8	85.3	1.22	30.7	3.9
All-Tex 7A21	1848	43.0	85.4	1.23	32.2	4.1
BX 1262B2F	1821	41.7	85.7	1.21	31.2	4.3
PHY 375 WRF	1806	43.0	84.4	1.19	28.3	4.0
DP 0920 B2RF	1798	42.0	85.2	1.18	28.9	4.4
PHY 499 WRF	1778	45.7	85.1	1.19	32.8	4.3
All-Tex LA122	1772	43.7	85.2	1.21	29.4	4.3
AM 1550 B2RF	1752	41.2	84.6	1.18	28.9	4.3
Dyna-Gro 2570B2RF	1722	42.4	85.7	1.20	31.7	4.0
BCSX 1150B2RF	1677	38.0	85.6	1.26	34.6	4.3
FM1740B2RF	1667	41.3	84.6	1.22	29.4	3.9
DP 1028 B2RF	1664	44.6	85.4	1.17	29.0	4.6
DP 0924 B2RF	1661	41.5	84.5	1.16	30.2	4.2
DP 0949B2RF	1624	42.9	84.8	1.20	30.4	4.4
All-Tex ATX81144	1595	40.3	85.6	1.27	32.2	3.5
GA2004143	1577	43.2	86.1	1.26	33.3	4.0
BRS286	1567	40.6	83.8	1.18	31.6	4.2
SSG HQ 210 CT	1541	40.6	84.3	1.17	32.9	4.3
GA2008057	1452	40.9	85.3	1.23	34.4	4.0
GA2006106	1358	40.5	85.0	1.25	33.7	3.8
SSG CT Linwood	1256	41.6	84.9	1.15	33.1	4.6
BRS293	1246	39.2	83.6	1.20	37.5	4.3
SSG CT310 HQ	1194	39.1	84.7	1.18	34.7	4.5
Average	1709	41.9	84.9	1.20	31.3	4.2
LSD 0.10	270	1.0	1.0	0.02	2.5	0.3
CV %	13.4	2.1	0.7	1.42	4.7	4.1

* 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 5, 2011.
Harvested: October 7, 2011.
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.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0	3.70	0.70	0	4.00	0
Rainfall (in):	2.01	0.03	1.12	7.00	1.50	3.38

Trials conducted by Larry Thompson.

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
AM1511 B2RF	**1979**	45.7	83.8	1.14	29.5	4.8
PHY 499 WRF	**1946**	46.1	85.3	1.14	34.5	4.4
DP 1028 B2RF	**1918**	47.5	85.0	1.14	28.8	4.6
CG 3787 B2RF	**1914**	45.7	85.1	1.15	30.2	4.7
DP 0924 B2RF	**1857**	44.4	84.8	1.13	31.4	5.0
DP 0920 B2RF	**1845**	44.9	84.9	1.16	28.8	4.5
GA2004143	1841	44.3	85.6	1.25	34.6	4.1
DP 0912 B2RF	1830	43.1	84.4	1.13	30.5	4.6
FM1740B2RF	1813	44.1	84.6	1.14	29.6	4.2
ST 4145LLB2	1806	43.1	84.8	1.16	34.3	3.9
PHY 375 WRF	1783	44.6	84.3	1.14	30.2	4.3
BCSX 1150B2RF	1781	40.7	85.5	1.20	34.9	4.6
PHY 367 WRF	1778	43.3	84.8	1.16	30.5	4.2
BRS293	1769	41.5	83.8	1.15	34.5	4.6
Dyna-Gro 2570B2RF	1765	42.3	84.4	1.15	30.9	4.3
DP 0949B2RF	1752	45.1	84.6	1.17	32.5	4.9
DP 1133 B2RF	1752	46.0	85.4	1.16	33.3	4.4
All-Tex ATX81144	1751	42.1	85.3	1.22	32.8	4.0
All-Tex 7A21	1745	45.0	84.8	1.16	31.8	4.9
ST 4288B2F	1737	42.0	83.7	1.14	27.3	4.9
BX 1262B2F	1732	43.3	84.5	1.19	31.4	4.3
AM 1550 B2RF	1718	42.1	84.6	1.14	29.1	4.1
All-Tex ATX3039 B2RF	1713	44.5	83.8	1.16	27.7	4.5
GA2006106	1677	42.7	84.4	1.18	32.4	4.4
SSG CT Linwood	1664	43.4	85.2	1.10	33.7	4.9
BRS286	1634	40.7	82.8	1.10	31.9	4.5
SSG HQ 210 CT	1629	39.9	83.9	1.16	32.7	4.7
All-Tex LA122	1622	43.9	84.1	1.15	28.8	4.4
BX 1252LLB2	1605	44.1	84.3	1.18	31.1	4.5
SSG CT310 HQ	1526	40.6	84.3	1.13	34.2	4.5
GA2008057	1501	41.5	85.0	1.22	33.8	4.1
Average	1754	43.5	84.6	1.16	31.5	4.5
LSD 0.10	137	0.9	1.1	0.04	2.3	0.4
CV %	6.6	1.7	0.8	1.97	4.3	5.4

* 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, 2011.
Harvested: September 12, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	2.30	3.00	1.00	1.00	0
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance
including Micro-Gin Quality Data, 2011, 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	1745	1588	45.0	40.0	84.8	83.4	1.16	1.17	31.8	31.7	4.9	5.0
All-Tex ATX3039 B2RF	1713	1549	44.5	39.6	83.8	82.5	1.16	1.15	27.7	28.2	4.5	4.5
All-Tex ATX81144	1751	1576	42.1	37.7	85.3	84.3	1.22	1.23	32.8	33.4	4.0	4.1
All-Tex LA122	1622	1522	43.9	40.5	84.1	83.0	1.15	1.16	28.8	27.9	4.4	4.5
AM 1550 B2RF	1718	**1646**	42.1	39.9	84.6	82.0	1.14	1.13	29.1	28.5	4.1	4.8
AM1511 B2RF	**1979**	**1630**	45.7	41.1	83.8	82.7	1.14	1.13	29.5	30.1	4.8	5.1
BCSX 1150B2RF	1781	1582	40.7	36.2	85.5	84.4	1.20	1.21	34.9	33.3	4.6	4.7
BRS286	1634	1524	40.7	38.0	82.8	82.0	1.10	1.12	31.9	30.7	4.5	4.7
BRS293	1769	**1618**	41.5	37.6	83.8	82.9	1.15	1.16	34.5	33.7	4.6	4.8
BX 1252LLB2	1605	1433	44.1	38.9	84.3	82.9	1.18	1.15	31.1	32.6	4.5	5.0
BX 1262B2F	1732	1451	43.3	39.2	84.5	83.2	1.19	1.16	31.4	30.6	4.3	4.8
CG 3787 B2RF	**1914**	**1625**	45.7	42.3	85.1	83.4	1.15	1.16	30.2	29.5	4.7	4.9
DP 0912 B2RF	1830	**1683**	43.1	39.4	84.4	82.4	1.13	1.11	30.5	29.3	4.6	5.3
DP 0920 B2RF	**1845**	**1703**	44.9	41.1	84.9	82.5	1.16	1.16	28.8	28.3	4.5	5.1
DP 0924 B2RF	**1857**	**1647**	44.4	38.8	84.8	82.8	1.13	1.12	31.4	30.3	5.0	5.2
DP 0949B2RF	1752	**1616**	45.1	40.9	84.6	82.7	1.17	1.14	32.5	30.5	4.9	5.2
DP 1028 B2RF	**1918**	**1771**	47.5	43.3	85.0	83.5	1.14	1.13	28.8	29.1	4.6	5.0
DP 1133 B2RF	1752	**1609**	46.0	41.8	85.4	84.3	1.16	1.16	33.3	31.9	4.4	5.0
Dyna-Gro 2570B2RF	1765	**1700**	42.3	39.9	84.4	83.0	1.15	1.15	30.9	29.9	4.3	4.8
FM1740B2RF	1813	1534	44.1	39.7	84.6	83.1	1.14	1.14	29.6	29.7	4.2	4.8
GA2004143	1841	**1712**	44.3	40.9	85.6	83.3	1.25	1.21	34.6	32.0	4.1	4.6
GA2006106	1677	1528	42.7	38.0	84.4	83.2	1.18	1.19	32.4	32.6	4.4	4.8
GA2008057	1501	1358	41.5	36.8	85.0	83.6	1.22	1.19	33.8	33.3	4.1	4.5
PHY 367 WRF	1778	**1632**	43.3	39.5	84.8	83.0	1.16	1.16	30.5	29.5	4.2	4.5
PHY 375 WRF	1783	**1615**	44.6	40.3	84.3	82.5	1.14	1.14	30.2	28.5	4.3	4.6
PHY 499 WRF	**1946**	**1783**	46.1	41.9	85.3	83.3	1.14	1.13	34.5	32.9	4.4	4.8
SSG CT Linwood	1664	1517	43.4	39.1	85.2	83.1	1.10	1.12	33.7	32.9	4.9	5.2
SSG CT310 HQ	1526	1429	40.6	36.3	84.3	83.1	1.13	1.15	34.2	34.8	4.5	4.7
SSG HQ 210 CT	1629	1567	39.9	37.8	83.9	81.8	1.16	1.13	32.7	31.5	4.7	5.0
ST 4145LLB2	1806	1596	43.1	37.7	84.8	83.4	1.16	1.17	34.3	31.1	3.9	4.6
ST 4288B2F	1737	1532	42.0	36.9	83.7	82.3	1.14	1.16	27.3	28.7	4.9	4.9
Average	1754	1590	43.5	39.4	84.6	83.0	1.16	1.15	31.5	30.9	4.5	4.8
LSD 0.10	137	175	0.9	0.7	1.1	0.6	0.04	0.02	2.3	1.2	0.4	0.2
CV %	6.6	9.3	1.7	1.5	0.8	0.6	1.97	1.71	4.3	3.3	5.4	2.9

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, 2011.
Harvested: September 12, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	2.30	3.00	1.00	1.00	0
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Yield Summary for Earlier Maturity Cotton Varieties, 2011, 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 0912 B2RF	**1847** 5	**2924** 2	**2022** 2	1830 8	**2156** 1	43.7	84.0	1.14	29.5	4.7
PHY 499 WRF	**1877** 4	**2957** 1	1778 14	**1946** 2	**2139** 2	46.5	84.9	1.15	32.4	4.6
AM1511 B2RF	**1886** 3	2637 5	**1957** 3	**1979** 1	**2115** 3	45.7	84.4	1.15	29.9	4.7
DP 1028 B2RF	**1942** 1	**2777** 3	1664 20	**1918** 3	**2075** 4	46.2	85.1	1.15	28.6	4.8
CG 3787 B2RF	**1781** 6	2547 12	**1908** 8	**1914** 4	**2038** 5	44.7	84.9	1.16	29.3	4.6
ST 4145LLB2	1566 20	2494 18	**2150** 1	1806 10	**2004** 6	42.7	84.7	1.18	32.6	4.2
DP 1133 B2RF	**1928** 2	2335 26	**1947** 4	1752 16T	**1991** 7	45.9	85.3	1.17	31.9	4.6
All-Tex ATX3039 B2RF	1593 18	**2741** 4	**1912** 7	1713 22	**1990** 8	44.1	84.1	1.16	28.5	4.3
PHY 375 WRF	1684 10	2528 16	1806 12	1783 11	1950 9	44.2	84.3	1.16	29.0	4.4
BX 1262B2F	1667 12	2534 13T	1821 11	1732 20	1938 10	43.3	84.7	1.18	30.8	4.6
BX 1252LLB2	1681 11	2567 11	1849 9	1605 28	1926 11	42.7	84.3	1.18	30.9	4.5
PHY 367 WRF	1640 14	2328 27	**1931** 5	1778 13	1919 12	43.2	84.7	1.18	29.7	4.4
Dyna-Gro 2570B2RF	**1761** 7	2426 22	1722 17	1765 15	1918 13	42.5	84.7	1.17	30.4	4.5
BCSX 1150B2RF	1626 15	2580 10	1677 18	1781 12	1916 14	40.1	85.2	1.22	33.7	4.7
DP 0920 B2RF	1507 25	2510 17	1798 13	**1845** 6	1915 15	44.0	84.4	1.16	28.2	4.6
DP 0949B2RF	1655 13	2610 6	1624 22	1752 16T	1910 16	44.2	84.7	1.17	30.8	4.8
GA2004143	1617 16	2597 8	1577 24	1841 7	1908 17	44.2	85.3	1.23	33.8	4.4
ST 4288B2F	1606 17	2341 25	**1924** 6	1737 19	1902 18	40.9	83.9	1.17	28.1	4.7
FM1740B2RF	1580 19	2532 14	1667 19	1813 9	1898 19	43.3	84.0	1.16	29.1	4.4
All-Tex 7A21	1503 26	2490 19	1848 10	1745 18	1897 20	44.2	84.8	1.19	31.1	4.6
DP 0924 B2RF	1468 28	2599 7	1661 21	**1857** 5	1896 21	43.1	84.7	1.15	30.6	4.8
AM 1550 B2RF	1526 22	2439 21	1752 16	1718 21	1859 22	42.1	84.3	1.15	28.3	4.5
All-Tex ATX81144	1481 27	2530 15	1595 23	1751 17	1839 23	42.0	85.1	1.24	32.2	3.9
All-Tex LA122	1524 23	2387 23	1772 15	1622 27	1826 24	44.2	84.8	1.17	29.1	4.4
GA2006106	1691 9	2534 13T	1358 28	1677 23	1815 25	42.1	84.9	1.22	33.3	4.4
BRS293	1542 21	2582 9	1246 30	1769 14	1785 26	41.7	84.1	1.17	34.2	4.6
SSG HQ 210 CT	1399 29	2451 20	1541 26	1629 26	1755 27	40.6	83.4	1.15	31.6	4.6
BRS286	1707 8	2070 29	1567 25	1634 25	1745 28	41.5	83.4	1.13	31.7	4.5
SSG CT Linwood	1185 31	2347 24	1256 29	1664 24	1613 29	42.6	84.8	1.12	33.6	5.0
SSG CT310 HQ	1522 24	2197 28	1194 31	1526 29	1610 30	40.6	84.3	1.15	33.9	4.7
GA2008057	1302 30	1750 30	1452 27	1501 30	1501 31	41.1	85.1	1.21	33.6	4.2
Average	1622	2495	1709	1754	1895	43.2	84.6	1.17	31.0	4.5
LSD 0.10	190	244	270	137	170	0.9	0.6	0.02	1.1	0.2
CV %	10.0	8.4	13.4	6.6	9.7	2.1	0.8	1.95	4.7	5.0

[a] Superscripts indicate ranking at that location.

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

Two-Year Summary for Earlier Maturity Cotton Varieties at Four Locations[a], 2010-2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1982**	46.1	84.9	1.15	32.5	4.7
DP 0912 B2RF	**1958**	43.1	83.8	1.12	30.0	4.8
DP 1028 B2RF	1885	46.1	84.7	1.16	29.4	4.8
DP 0924 B2RF	1785	43.1	83.9	1.13	30.5	4.9
FM1740B2RF	1776	43.3	83.8	1.15	29.7	4.6
Dyna-Gro 2570B2RF	1773	42.5	84.4	1.16	30.3	4.6
PHY 375 WRF	1771	44.1	84.1	1.16	29.7	4.4
DP 0920 B2RF	1762	43.8	84.2	1.15	28.4	4.6
PHY 367 WRF	1752	42.9	84.1	1.17	30.4	4.2
AM 1550 B2RF	1740	42.6	83.8	1.13	28.4	4.5
ST 4288B2F	1726	40.6	83.5	1.16	28.5	4.7
All-Tex 7A21	1712	44.0	84.7	1.19	31.5	4.5
All-Tex LA122	1675	44.0	84.7	1.18	29.4	4.4
GA2006106	1603	41.7	84.6	1.22	33.5	4.4
SSG CT Linwood	1553	42.8	84.3	1.12	33.4	5.0
Average	1764	43.4	84.2	1.16	30.4	4.6
LSD 0.10	78	0.4	0.4	0.01	0.7	0.1
CV %	10.6	2.0	0.7	1.85	4.2	5.1

[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).

Bainbridge, Georgia:
Later Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1932**	45.3	84.5	1.15	32.5	4.7
DP 1252 B2RF	**1782**	46.6	85.4	1.16	30.0	5.1
ST 4145LLB2	1774	42.4	85.2	1.16	31.8	4.9
BX 1262B2F	1771	42.5	84.4	1.17	30.8	5.0
MON 10R051 B2RF	1749	44.9	85.6	1.18	29.2	4.9
DP 1137 B2RF	1727	45.5	84.8	1.15	28.3	5.1
BX 1252LLB2	1708	44.0	85.2	1.17	31.7	5.1
ST 5288B2F	1708	43.1	84.3	1.13	27.8	5.1
DP 1050 B2RF	1693	45.3	84.6	1.15	28.8	4.9
AM1511 B2RF	1665	43.7	84.2	1.14	29.3	4.7
GA2007095	1663	41.2	85.3	1.19	33.0	5.1
DP 1133 B2RF	1636	44.7	85.3	1.17	30.9	4.9
GA2004230	1636	42.0	84.8	1.22	31.9	4.8
GA2008083	1631	44.8	83.4	1.15	30.2	5.0
DP 1048 B2RF	1584	43.1	85.0	1.17	29.2	4.7
DP 1034 B2RF	1537	46.3	84.9	1.18	28.6	5.0
PHY 565 WRF	1519	42.9	84.4	1.15	30.1	4.8
PHY 375 WRF	1505	44.8	84.4	1.16	29.2	4.9
ST 5458B2RF	1484	43.8	84.5	1.16	30.3	5.2
BX 1261B2F	1433	41.4	84.9	1.18	29.6	4.5
BX 1254LLB2	1394	43.6	84.4	1.19	31.2	5.2
PHY 440 W	1193	41.2	84.8	1.15	31.2	4.8
Average	1624	43.8	84.7	1.16	30.2	4.9
LSD 0.10	157	1.0	0.9	N.S.[1]	2.0	0.3
CV %	8.2	2.0	0.6	1.87	3.8	3.2

* 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 11, 2011.
Harvested: October 17, 2011.
Soil Type: Bonnaeu blanton loamy sand.
Fertilization: 180 lb N, 71 lb P_2O_5, and 122 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.60	4.80	1.60	3.20	0.80
Rainfall (in):	2.10	1.35	9.10	2.35	5.05

Trials conducted by Larry Thompson.

Midville, Georgia:
Later Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**3021**	45.7	85.2	1.16	32.5	4.6
DP 1252 B2RF	**2864**	48.3	84.8	1.17	27.7	4.7
DP 1137 B2RF	**2863**	46.3	84.7	1.15	26.7	4.7
MON 10R051 B2RF	**2794**	47.4	85.2	1.19	25.6	4.8
AM1511 B2RF	2786	46.5	84.6	1.16	30.7	4.9
DP 1050 B2RF	2769	46.8	85.0	1.19	28.6	4.7
BX 1252LLB2	2754	44.3	83.9	1.18	30.9	4.7
ST 5458B2RF	2710	42.8	84.2	1.17	29.9	5.0
PHY 375 WRF	2674	44.9	83.5	1.15	29.1	4.1
BX 1261B2F	2652	42.5	84.4	1.17	28.8	4.6
GA2008083	2646	46.9	83.1	1.14	29.1	4.6
BX 1262B2F	2638	43.6	84.9	1.18	31.2	4.7
DP 1034 B2RF	2624	46.3	85.1	1.20	26.5	4.6
GA2007095	2576	42.7	84.0	1.19	29.5	4.9
DP 1048 B2RF	2570	46.1	85.0	1.17	27.4	4.8
GA2004230	2524	42.5	84.8	1.24	29.8	4.5
PHY 565 WRF	2509	43.0	85.1	1.16	32.6	4.7
BX 1254LLB2	2503	44.9	83.6	1.16	29.7	5.3
ST 4145LLB2	2456	42.2	84.5	1.16	30.4	4.5
ST 5288B2F	2425	43.0	83.2	1.15	27.4	4.5
DP 1133 B2RF	2410	45.3	85.6	1.20	30.9	4.7
PHY 440 W	2383	42.4	84.6	1.15	29.0	4.4
Average	2643	44.7	84.5	1.17	29.2	4.7
LSD 0.10	227	0.9	1.3	0.04	1.7	0.4
CV %	7.3	1.6	0.9	1.76	3.7	4.4

* 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 3, 2011.
Harvested: October 3, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 96 lb N, 80 lb P_2O_5, and 60 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0	1.90	2.45	4.00	4.00	0
Rainfall (in):	1.41	2.32	1.76	2.22	1.50	2.51

Trials conducted by Larry Thompson.

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
AM1511 B2RF	**1995**	43.6	85.3	1.17	31.1	4.6
DP 1048 B2RF	**1957**	42.3	84.9	1.21	28.9	4.0
DP 1050 B2RF	**1840**	45.7	85.8	1.21	29.0	4.2
MON 10R051 B2RF	**1838**	44.4	85.5	1.20	29.0	4.2
DP 1252 B2RF	1778	44.2	85.0	1.19	30.4	4.1
DP 1034 B2RF	1777	43.8	86.1	1.21	28.9	4.4
DP 1133 B2RF	1768	44.6	86.0	1.20	32.7	4.4
ST 4145LLB2	1755	40.5	84.8	1.19	32.8	4.1
PHY 499 WRF	1689	42.8	85.7	1.19	32.4	4.2
DP 1137 B2RF	1682	43.3	85.4	1.18	29.8	4.1
ST 5288B2F	1637	39.5	84.7	1.20	30.1	4.3
BX 1262B2F	1618	41.1	85.6	1.21	31.4	4.1
BX 1254LLB2	1584	42.2	85.1	1.21	32.5	4.5
GA2004230	1571	40.2	85.6	1.28	33.1	4.2
ST 5458B2RF	1562	39.3	84.9	1.22	33.1	4.3
GA2007095	1545	41.6	84.5	1.19	31.8	4.1
PHY 375 WRF	1491	41.6	84.9	1.20	30.6	3.8
BX 1252LLB2	1486	37.6	85.6	1.22	31.7	4.3
PHY 440 W	1480	40.2	85.0	1.20	30.6	4.3
PHY 565 WRF	1368	40.6	85.8	1.21	32.9	3.9
BX 1261B2F	1351	39.3	84.7	1.22	30.5	3.8
GA2008083	1341	41.8	86.4	1.24	34.3	4.4
Average	1642	41.8	85.3	1.21	31.2	4.2
LSD 0.10	213	1.5	0.9	0.03	1.6	0.4
CV %	11.0	3.0	0.6	1.68	2.9	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: May 5, 2011.
Harvested: October 7, 2011.
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.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0	3.70	0.70	0	4.00	0
Rainfall (in):	2.01	0.03	1.12	7.00	1.50	3.38

Trials conducted by Larry Thompson.

Tifton, Georgia:
Later Maturity Cotton Variety Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2072**	44.8	84.6	1.13	32.4	4.3
DP 1050 B2RF	**2027**	46.4	85.2	1.19	27.2	4.6
AM1511 B2RF	**1976**	45.8	84.8	1.15	29.7	4.6
DP 1048 B2RF	**1965**	45.6	85.0	1.18	28.9	4.4
DP 1252 B2RF	**1958**	45.5	85.2	1.18	28.6	4.2
DP 1034 B2RF	1933	46.9	84.6	1.17	26.5	4.6
PHY 375 WRF	1901	43.7	84.6	1.17	28.8	4.1
ST 4145LLB2	1897	41.6	85.9	1.19	32.8	3.8
DP 1137 B2RF	1887	44.8	85.3	1.17	29.4	4.3
MON 10R051 B2RF	1877	46.1	85.8	1.17	29.7	4.5
BX 1262B2F	1853	42.2	84.5	1.18	31.1	4.2
DP 1133 B2RF	1848	45.7	85.4	1.17	32.3	4.4
ST 5288B2F	1782	42.9	84.1	1.14	29.8	4.3
ST 5458B2RF	1772	41.6	83.6	1.17	32.5	4.6
BX 1254LLB2	1770	42.6	84.8	1.19	33.2	4.6
PHY 565 WRF	1767	41.4	85.0	1.21	32.0	3.9
BX 1252LLB2	1732	41.7	85.2	1.20	31.6	4.0
GA2007095	1729	42.4	84.2	1.17	30.9	4.3
GA2004230	1709	43.1	83.5	1.22	30.9	4.3
BX 1261B2F	1677	39.1	85.2	1.16	30.9	3.9
GA2008083	1641	43.9	84.9	1.19	31.7	4.3
PHY 440 W	1591	40.7	84.6	1.15	32.2	4.3
Average	1835	43.6	84.8	1.17	30.6	4.3
LSD 0.10	138	1.2	1.1	0.04	2.3	N.S.[1]
CV %	6.4	2.3	0.8	2.11	4.4	6.8

* 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 27, 2011.
Harvested: September 12, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	2.30	3.00	1.00	1.00	0
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Tifton, Georgia:
Later Maturity Cotton Variety Performance
including Micro-Gin Quality Data, 2011, 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
AM1511 B2RF	**1976**	1768	45.8	40.7	84.8	83.2	1.15	1.15	29.7	31.4	4.6	4.9
BX 1252LLB2	1732	1633	41.7	38.2	85.2	83.3	1.20	1.18	31.6	32.4	4.0	4.7
BX 1254LLB2	1770	1670	42.6	39.1	84.8	83.1	1.19	1.18	33.2	32.5	4.6	5.0
BX 1261B2F	1677	1629	39.1	36.9	85.2	83.3	1.16	1.16	30.9	31.9	3.9	4.4
BX 1262B2F	1853	1766	42.2	39.0	84.5	83.3	1.18	1.17	31.1	31.8	4.2	4.7
DP 1034 B2RF	1933	1760	46.9	41.6	84.6	83.4	1.17	1.17	26.5	29.3	4.6	4.7
DP 1048 B2RF	**1965**	**1865**	45.6	41.8	85.0	83.4	1.18	1.17	28.9	28.7	4.4	4.7
DP 1050 B2RF	**2027**	**1923**	46.4	42.7	85.2	83.2	1.19	1.17	27.2	28.1	4.6	4.6
DP 1133 B2RF	1848	1717	45.7	41.3	85.4	84.1	1.17	1.16	32.3	32.6	4.4	4.8
DP 1137 B2RF	1887	1817	44.8	41.9	85.3	82.5	1.17	1.13	29.4	29.1	4.3	4.9
DP 1252 B2RF	**1958**	**1922**	45.5	43.4	85.2	83.0	1.18	1.14	28.6	29.6	4.2	4.8
GA2004230	1709	1576	43.1	38.6	83.5	83.9	1.22	1.24	30.9	31.8	4.3	4.4
GA2007095	1729	1611	42.4	38.2	84.2	83.3	1.17	1.18	30.9	31.8	4.3	4.4
GA2008083	1641	1526	43.9	39.6	84.9	83.0	1.19	1.18	31.7	32.4	4.3	4.7
MON 10R051 B2RF	1877	1762	46.1	42.1	85.8	83.3	1.17	1.15	29.7	29.0	4.5	4.7
PHY 375 WRF	1901	1769	43.7	39.4	84.6	82.7	1.17	1.15	28.8	29.3	4.1	4.6
PHY 440 W	1591	1501	40.7	37.2	84.6	83.3	1.15	1.15	32.2	31.3	4.3	4.5
PHY 499 WRF	**2072**	**1966**	44.8	41.5	84.6	83.5	1.13	1.15	32.4	31.6	4.3	4.9
PHY 565 WRF	1767	1654	41.4	37.7	85.0	83.4	1.21	1.19	32.0	32.0	3.9	4.5
ST 4145LLB2	1897	1730	41.6	37.1	85.9	83.4	1.19	1.17	32.8	31.8	3.8	4.4
ST 5288B2F	1782	1642	42.9	38.3	84.1	82.6	1.14	1.16	29.8	28.6	4.3	4.8
ST 5458B2RF	1772	1682	41.6	38.2	83.6	83.2	1.17	1.18	32.5	32.1	4.6	5.1
Average	1835	1722	43.6	39.8	84.8	83.2	1.17	1.17	30.6	30.9	4.3	4.7
LSD 0.10	138	117	1.2	0.5	1.1	0.5	0.04	0.02	2.3	1.1	N.S.[1]	0.2
CV %	6.4	5.8	2.3	1.1	0.8	0.5	2.11	1.43	4.4	2.9	6.8	3.6

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, 2011.
Harvested: September 12, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	2.30	3.00	1.00	1.00	0
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Yield Summary for Later Maturity Cotton Varieties, 2011, 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	**1932** [1]	**3021** [1]	1689 [9]	**2072** [1]	**2179** [1]	44.7	85.0	1.15	32.4	4.4
AM1511 B2RF	1665 [9]	2786 [5]	**1995** [1]	**1976** [3]	**2105** [2]	44.9	84.7	1.15	30.2	4.7
DP 1252 B2RF	**1782** [2]	**2864** [2]	1778 [5]	**1958** [5]	**2095** [3]	46.2	85.1	1.17	29.2	4.5
DP 1050 B2RF	1693 [8]	2769 [6]	**1840** [3]	**2027** [2]	**2082** [4]	46.0	85.1	1.18	28.4	4.6
MON 10R051 B2RF	1749 [5]	**2794** [4]	**1838** [4]	1877 [10]	**2064** [5]	45.7	85.5	1.18	28.3	4.6
DP 1137 B2RF	1727 [6]	**2863** [3]	1682 [10]	1887 [9]	2040 [6]	45.0	85.0	1.16	28.5	4.5
DP 1048 B2RF	1584 [13]	2570 [15]	**1957** [2]	**1965** [4]	2019 [7]	44.3	85.0	1.18	28.6	4.4
ST 4145LLB2	1774 [3]	2456 [19]	1755 [8]	1897 [8]	1971 [8]	41.7	85.1	1.17	31.9	4.3
BX 1262B2F	1771 [4]	2638 [12]	1618 [12]	1853 [11]	1970 [9]	42.3	84.8	1.18	31.1	4.5
DP 1034 B2RF	1537 [14]	2624 [13]	1777 [6]	1933 [6]	1968 [10]	45.8	85.1	1.19	27.6	4.6
BX 1252LLB2	1708 [7T]	2754 [7]	1486 [18]	1732 [17]	1920 [11]	41.9	85.0	1.19	31.5	4.5
DP 1133 B2RF	1636 [11T]	2410 [21]	1768 [7]	1848 [12]	1916 [12]	45.1	85.6	1.18	31.7	4.6
PHY 375 WRF	1505 [16]	2674 [9]	1491 [17]	1901 [7]	1893 [13]	43.8	84.3	1.17	29.4	4.2
ST 5288B2F	1708 [7T]	2425 [20]	1637 [11]	1782 [13]	1888 [14]	42.1	84.1	1.16	28.8	4.5
ST 5458B2RF	1484 [17]	2710 [8]	1562 [15]	1772 [14]	1882 [15]	41.9	84.3	1.18	31.4	4.8
GA2007095	1663 [10]	2576 [14]	1545 [16]	1729 [18]	1878 [16]	42.0	84.5	1.18	31.3	4.6
GA2004230	1636 [11T]	2524 [16]	1571 [14]	1709 [19]	1860 [17]	41.9	84.7	1.24	31.4	4.4
GA2008083	1631 [12]	2646 [11]	1341 [22]	1641 [21]	1815 [18]	44.3	84.4	1.18	31.3	4.6
BX 1254LLB2	1394 [19]	2503 [18]	1584 [13]	1770 [15]	1813 [19]	43.3	84.4	1.19	31.6	4.9
PHY 565 WRF	1519 [15]	2509 [17]	1368 [20]	1767 [16]	1791 [20]	42.0	85.1	1.18	31.9	4.3
BX 1261B2F	1433 [18]	2652 [10]	1351 [21]	1677 [20]	1778 [21]	40.6	84.8	1.18	29.9	4.2
PHY 440 W	1193 [20]	2383 [22]	1480 [19]	1591 [22]	1662 [22]	41.1	84.8	1.16	30.7	4.4
Average	1624	2643	1642	1835	1936	43.5	84.8	1.18	30.3	4.5
LSD 0.10	157	227	213	138	135	1.1	0.6	0.02	1.1	0.2
CV %	8.2	7.3	11.0	6.4	8.2	2.2	0.7	1.86	3.7	4.9

[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], 2010-2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1893**	45.0	84.6	1.14	32.5	4.6
DP 1252 B2RF	**1841**	46.1	84.7	1.17	29.3	4.7
DP 1050 B2RF	**1840**	46.0	84.8	1.17	28.6	4.7
DP 1137 B2RF	1803	45.3	84.5	1.15	29.0	4.7
DP 1034 B2RF	1794	45.9	84.7	1.18	28.0	4.7
DP 1048 B2RF	1794	44.7	84.7	1.17	28.5	4.6
PHY 375 WRF	1744	43.8	84.1	1.16	29.4	4.3
DP 1133 B2RF	1731	45.1	85.3	1.18	32.0	4.7
ST 5458B2RF	1690	42.3	83.9	1.17	31.4	4.9
PHY 565 WRF	1687	42.7	84.5	1.18	32.2	4.2
ST 5288B2F	1684	42.7	83.4	1.15	28.9	4.6
PHY 440 W	1486	41.6	84.1	1.15	30.6	4.5
Average	1749	44.3	84.4	1.16	30.0	4.6
LSD 0.10	67	0.4	0.4	0.01	0.7	0.1
CV %	9.3	2.4	0.7	1.92	3.8	5.2

[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, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1050 B2RF	**2973**	48.2	85.8	1.18	27.4	4.8
DP 1044 B2RF	**2782**	42.5	84.3	1.16	29.6	4.6
All-Tex 9C253 B2RF	**2750**	44.5	85.3	1.17	33.2	5.1
CT11622	2708	44.7	85.4	1.19	30.6	4.2
MON 10R011 B2RF	2687	42.1	85.5	1.21	35.6	4.5
GA2009100	2677	45.0	85.3	1.21	34.6	3.9
MON 11R159 B2RF	2672	45.4	85.0	1.21	34.0	4.9
GA2009037	2586	43.8	83.6	1.20	30.9	4.5
MON 10R020 B2RF	2524	44.1	84.4	1.16	28.6	4.7
MON 10R013 B2RF	2478	43.5	85.6	1.23	31.9	5.0
AMX003 B2RF	2422	46.0	84.7	1.17	29.8	4.8
CT11212	2417	45.4	84.8	1.15	29.2	4.8
GA2009148	2393	42.9	84.7	1.18	34.3	4.9
GA2008016	2370	43.0	84.6	1.16	36.1	4.8
GA2009180	2362	42.3	85.7	1.25	36.2	4.5
PHY 440 W	2282	42.5	84.1	1.17	32.2	4.6
All-Tex 9W2863 B2RF	2274	42.4	85.5	1.25	32.3	4.6
GA2009147	2126	41.1	83.6	1.22	33.1	4.0
Average	2527	43.9	84.9	1.19	32.2	4.6
LSD 0.10	227	1.5	1.2	0.04	1.7	0.5
CV %	7.6	2.9	0.8	2.12	3.0	6.4

* 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 3, 2011.
Harvested: October 3, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 96 lb N, 80 lb P_2O_5, and 60 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0	1.90	2.45	4.00	4.00	0
Rainfall (in):	1.41	2.33	1.73	3.15	1.02	2.40

Trials conducted by Larry Thompson.

Plains, Georgia:
Cotton Strains Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1050 B2RF	**1858**	43.9	85.2	1.21	28.3	4.3
CT11622	**1840**	43.2	85.7	1.19	28.4	4.3
MON 10R020 B2RF	**1815**	41.8	84.1	1.14	28.6	4.7
All-Tex 9C253 B2RF	**1697**	43.5	85.0	1.18	32.4	4.7
AMX003 B2RF	**1658**	44.9	85.4	1.21	28.9	4.6
PHY 440 W	1611	41.0	85.7	1.19	29.5	4.1
GA2009100	1571	43.0	85.9	1.21	35.6	4.1
MON 10R011 B2RF	1558	41.6	84.8	1.22	33.4	3.9
CT11212	1550	42.4	85.0	1.17	28.0	4.7
DP 1044 B2RF	1515	39.0	84.2	1.19	28.7	4.0
MON 10R013 B2RF	1477	40.3	84.9	1.24	30.8	4.6
MON 11R159 B2RF	1423	41.5	84.7	1.22	33.6	4.1
GA2009148	1359	41.6	84.6	1.18	32.0	4.8
All-Tex 9W2863 B2RF	1348	39.1	86.0	1.22	33.1	4.5
GA2008016	1274	39.9	85.4	1.20	32.7	4.5
GA2009037	1231	39.6	84.7	1.21	31.1	4.2
GA2009147	1136	39.9	83.5	1.19	32.3	4.1
GA2009180	1090	38.0	84.9	1.21	35.3	4.0
Average	1501	41.4	85.0	1.20	31.2	4.3
LSD 0.10	233	1.5	N.S.[1]	0.04	2.0	0.4
CV %	13.1	3.0	0.9	1.81	3.6	5.4

* 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 5, 2011.
Harvested: October 7, 2011.
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.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0	3.70	0.70	0	4.00	0
Rainfall (in):	2.01	0.03	1.12	7.00	1.50	3.38

Trials conducted by Larry Thompson.

Tifton, Georgia:
Cotton Strains Performance, 2011, Irrigated

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
CT11622	**2092**	45.4	85.1	1.17	27.5	4.4
MON 10R011 B2RF	**2082**	42.9	84.2	1.17	29.8	4.2
DP 1044 B2RF	**2049**	42.2	84.3	1.16	26.4	4.1
DP 1050 B2RF	**2016**	46.1	84.6	1.18	27.5	4.4
GA2009100	**1982**	44.9	84.5	1.18	31.7	4.2
MON 11R159 B2RF	**1966**	42.9	84.1	1.21	32.5	4.2
All-Tex 9C253 B2RF	**1946**	44.7	84.5	1.17	29.4	4.9
MON 10R020 B2RF	**1939**	42.8	84.3	1.14	26.9	4.6
CT11212	1909	43.2	85.1	1.15	27.0	4.6
MON 10R013 B2RF	1846	42.7	84.7	1.20	28.5	4.7
GA2009148	1845	44.0	84.1	1.16	30.5	4.5
AMX003 B2RF	1802	44.4	84.3	1.18	26.9	4.7
PHY 440 W	1731	41.4	84.8	1.15	30.0	4.5
All-Tex 9W2863 B2RF	1693	42.0	85.1	1.19	30.0	4.4
GA2009037	1692	43.5	83.4	1.16	29.0	5.0
GA2009147	1530	41.2	83.7	1.19	31.4	4.1
GA2008016	1508	41.8	84.4	1.18	32.3	4.4
GA2009180	1459	40.4	84.1	1.19	32.1	4.1
Average	1838	43.1	84.4	1.17	29.4	4.4
LSD 0.10	159	1.0	N,S.[1]	N.S.	2.2	0.4
CV %	7.3	2.0	0.7	2.58	4.4	5.8

* 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 27, 2011.
Harvested: September 14, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	2.30	3.00	1.00	1.00	0
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Yield Summary for Cotton Strains, 2011, Irrigated

Variety	Lint Yield[a] Midville	Plains	Tifton	3-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	---------- lb/acre ----------				%	%	inches	g/tex	units
DP 1050 B2RF	**2973** [1]	**1858** [1]	**2016** [4]	**2282** [1]	46.1	85.2	1.19	27.7	4.5
CT11622	2708 [4]	**1840** [2]	**2092** [1]	**2213** [2]	44.4	85.4	1.18	28.8	4.3
All-Tex 9C253 B2RF	**2750** [3]	**1697** [4]	**1946** [7]	**2131** [3]	44.2	84.9	1.17	31.7	4.9
DP 1044 B2RF	**2782** [2]	1515 [10]	**2049** [3]	2115 [4]	41.2	84.3	1.17	28.2	4.2
DP 1219 B2RF	2687 [5]	1558 [8]	**2082** [2]	2109 [5]	42.2	84.8	1.20	32.9	4.2
MON 10R020 B2RF	2524 [9]	**1815** [3]	**1939** [8]	2092 [6]	42.9	84.2	1.14	28.0	4.6
GA2009100	2677 [6]	1571 [7]	**1982** [5]	2077 [7]	44.3	85.2	1.20	33.9	4.0
MON 11R159 B2RF	2672 [7]	1423 [12]	**1966** [6]	2021 [8]	43.3	84.6	1.21	33.3	4.4
AMX003 B2RF	2422 [11]	**1658** [5]	1802 [12]	1961 [9]	45.1	84.8	1.19	28.5	4.7
CT11212	2417 [12]	1550 [9]	1909 [9]	1959 [10]	43.7	85.0	1.16	28.0	4.7
DP 1212 B2RF	2478 [10]	1477 [11]	1846 [10]	1934 [11]	42.2	85.1	1.22	30.4	4.8
PHY 440 W	2282 [16]	1611 [6]	1731 [13]	1875 [12]	41.6	84.8	1.17	30.5	4.4
GA2009148	2393 [13]	1359 [13]	1845 [11]	1866 [13]	42.9	84.4	1.17	32.2	4.7
GA2009037	2586 [8]	1231 [16]	1692 [15]	1836 [14]	42.3	83.9	1.19	30.3	4.5
All-Tex 9W2863 B2RF	2274 [17]	1348 [14]	1693 [14]	1772 [15]	41.2	85.5	1.22	31.8	4.5
GA2008016	2370 [14]	1274 [15]	1508 [17]	1717 [16]	41.6	84.8	1.18	33.7	4.6
GA2009180	2362 [15]	1090 [18]	1459 [18]	1637 [17]	40.2	84.9	1.22	34.5	4.2
GA2009147	2126 [18]	1136 [17]	1530 [16]	1597 [18]	40.7	83.6	1.20	32.3	4.0
Average	2527	1501	1838	1955	42.8	84.7	1.19	30.9	4.4
LSD 0.10	227	233	159	159	1.1	0.6	0.02	1.2	0.3
CV %	7.6	13.1	7.3	9.0	2.7	0.8	2.19	3.7	5.9

[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, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
AM1511 B2RF	**1778**	47.9	84.2	1.09	29.8	4.7
BX 1262B2F	**1773**	46.2	84.2	1.12	31.5	4.5
PHY 499 WRF	**1725**	48.5	83.8	1.07	32.2	4.8
AM 1550 B2RF	**1678**	45.9	84.0	1.10	25.5	4.7
ST 4288B2F	**1663**	44.0	82.9	1.11	26.1	4.7
All-Tex 7A21	**1607**	46.4	83.9	1.11	29.6	4.6
DP 0912 B2RF	**1544**	45.3	84.5	1.13	31.7	5.1
BRS293	1512	44.6	82.7	1.09	33.5	5.0
DP 0924 B2RF	1505	44.1	83.9	1.11	29.3	5.1
CG 3787 B2RF	1463	48.6	83.7	1.12	27.8	4.9
Dyna-Gro 2570B2RF	1450	44.9	83.5	1.07	29.3	4.9
All-Tex ATX3039 B2RF	1433	47.3	82.8	1.13	27.2	4.6
DP 1028 B2RF	1395	49.8	84.2	1.12	28.4	4.8
BCSX 1150B2RF	1383	42.0	84.2	1.16	30.9	4.4
BX 1252LLB2	1376	46.5	83.2	1.11	29.5	4.8
ST 4145LLB2	1371	45.7	82.2	1.08	30.3	4.4
DP 0949B2RF	1357	47.3	82.8	1.11	28.7	5.1
All-Tex ATX81144	1356	42.6	85.4	1.21	33.7	3.7
All-Tex LA122	1355	46.5	84.0	1.11	28.3	4.5
GA2004143	1352	47.8	83.7	1.14	29.7	4.7
PHY 375 WRF	1341	47.3	83.1	1.06	28.5	4.4
DP 0920 B2RF	1321	46.4	84.0	1.11	26.7	4.8
PHY 367 WRF	1318	46.0	84.0	1.09	29.7	4.4
SSG HQ 210 CT	1313	43.1	83.3	1.09	32.3	5.0
BRS286	1306	42.8	82.1	1.08	31.0	4.4
GA2006106	1253	43.8	83.8	1.15	31.7	4.5
FM1740B2RF	1241	45.2	83.3	1.13	29.0	4.5
DP 1133 B2RF	1240	48.1	83.7	1.12	30.2	5.0
SSG CT310 HQ	1166	42.2	83.5	1.13	34.7	4.9
GA2008057	1004	44.4	84.2	1.15	32.2	4.6
SSG CT Linwood	872	45.8	83.3	1.08	33.5	5.1
Average	1402	45.7	83.6	1.11	30.1	4.7
LSD 0.10	254	0.7	1.0	0.03	2.2	0.4
CV %	15.4	1.3	0.7	1.76	4.2	4.7

* 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 5, 2011.
Harvested: September 19, 2011.
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.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	2.50	1.40	3.69	1.90	1.00	1.63

Trials conducted by Larry Thompson.

Midville, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1238**	48.3	83.4	1.07	29.5	4.6
AM1511 B2RF	**1123**	47.5	83.3	1.04	30.3	4.7
DP 0912 B2RF	**1116**	44.9	82.6	1.10	27.9	4.7
ST 4145LLB2	1063	45.8	82.5	1.10	29.6	4.3
DP 1028 B2RF	1039	47.3	82.5	1.11	26.9	4.9
All-Tex ATX81144	1036	43.2	84.6	1.20	33.0	4.0
DP 0924 B2RF	1011	43.2	82.5	1.05	28.3	4.5
BX 1262B2F	1002	43.2	82.3	1.10	31.6	4.4
AM 1550 B2RF	997	46.2	83.5	1.08	26.7	4.6
CG 3787 B2RF	994	47.7	84.2	1.10	28.6	4.9
All-Tex 7A21	989	45.0	83.5	1.12	31.2	4.8
BRS293	986	42.4	83.3	1.08	33.9	5.0
ST 4288B2F	982	42.4	83.4	1.12	28.2	4.4
Dyna-Gro 2570B2RF	961	44.4	83.8	1.10	30.4	4.6
PHY 367 WRF	958	45.7	83.3	1.12	28.8	4.4
DP 0949B2RF	949	46.3	83.3	1.10	30.7	4.9
PHY 375 WRF	949	45.7	83.1	1.06	27.5	4.3
All-Tex ATX3039 B2RF	939	47.1	80.9	1.05	25.6	4.5
All-Tex LA122	916	45.7	82.3	1.08	27.7	4.7
BCSX 1150B2RF	888	42.5	83.6	1.13	31.2	4.3
BX 1252LLB2	886	43.4	82.9	1.08	30.2	4.6
GA2004143	874	45.8	83.2	1.14	31.5	4.6
SSG HQ 210 CT	862	42.2	81.4	1.08	31.1	5.0
BRS286	859	40.9	81.8	1.07	28.7	4.4
DP 0920 B2RF	840	44.2	82.7	1.08	25.1	4.4
FM1740B2RF	816	43.3	83.5	1.09	27.1	4.3
DP 1133 B2RF	793	47.4	83.5	1.10	30.1	5.0
SSG CT Linwood	761	43.2	81.7	1.07	30.0	5.3
SSG CT310 HQ	754	41.7	82.5	1.08	32.1	5.1
GA2006106	754	40.8	83.2	1.14	30.3	4.2
GA2008057	621	40.3	84.3	1.12	34.1	4.5
Average	934	44.4	83.0	1.09	29.6	4.6
LSD 0.10	128	0.9	1.3	0.04	2.1	0.4
CV %	11.7	1.7	0.9	2.50	4.1	4.7

* 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 3, 2011.
Harvested: October 3, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 85 lb N, 60 lb P_2O_5, and 70 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	1.41	2.33	1.73	3.15	1.02	2.40

Trials conducted by Larry Thompson.

Plains, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 0912 B2RF	**687**	40.3	84.3	1.12	30.6	4.3
DP 1028 B2RF	**672**	45.0	84.4	1.13	28.0	4.1
AM1511 B2RF	**648**	41.5	83.6	1.10	30.9	4.1
PHY 367 WRF	**645**	40.2	83.1	1.12	30.5	3.8
BX 1252LLB2	**627**	37.6	83.1	1.14	31.6	3.7
GA2006106	**618**	40.9	82.7	1.13	31.8	4.0
BRS286	**614**	39.1	83.0	1.09	31.1	4.1
DP 0920 B2RF	**607**	39.3	83.7	1.13	26.0	3.7
AM 1550 B2RF	**606**	38.8	83.8	1.12	27.6	3.7
PHY 499 WRF	**604**	41.4	82.7	1.13	31.0	3.9
SSG HQ 210 CT	**588**	38.7	81.4	1.08	29.8	4.3
CG 3787 B2RF	**581**	43.2	83.7	1.12	28.5	3.9
All-Tex LA122	**578**	41.3	83.0	1.11	27.5	3.9
FM1740B2RF	**567**	40.7	82.4	1.10	28.3	3.8
DP 0949B2RF	**566**	40.3	83.1	1.10	29.1	4.0
GA2004143	**555**	43.2	83.4	1.14	33.6	4.1
Dyna-Gro 2570B2RF	**553**	37.7	83.3	1.12	28.9	3.7
DP 1133 B2RF	**542**	40.3	84.1	1.13	30.1	3.9
BCSX 1150B2RF	**534**	37.2	83.0	1.16	32.0	3.6
SSG CT Linwood	**531**	41.3	83.0	1.07	31.2	4.6
DP 0924 B2RF	**528**	38.9	84.1	1.09	27.8	4.1
SSG CT310 HQ	**519**	36.6	82.9	1.11	32.5	3.8
ST 4145LLB2	**518**	39.4	82.9	1.12	29.1	3.8
All-Tex ATX81144	**511**	38.3	83.5	1.19	31.4	3.3
ST 4288B2F	**500**	37.1	83.3	1.12	27.5	3.6
PHY 375 WRF	**476**	39.7	83.1	1.10	28.1	3.5
All-Tex 7A21	**475**	40.4	83.5	1.15	30.0	4.1
BRS293	**459**	38.7	82.2	1.08	32.2	4.4
All-Tex ATX3039 B2RF	**431**	40.2	82.5	1.11	26.0	3.6
BX 1262B2F	**381**	37.1	83.0	1.14	31.6	3.4
GA2008057	**317**	38.0	83.8	1.18	33.3	3.9
Average	550	39.8	83.2	1.12	29.9	3.9
LSD 0.10	N.S.[1]	1.3	1.0	0.03	2.4	0.4
CV %	31.1	2.8	0.7	1.68	4.6	5.5

* 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 5, 2011.
Harvested: October 7, 2011.
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.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	2.01	0.03	1.12	7.00	1.50	3.38

Trials conducted by Larry Thompson.

Tifton, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1028 B2RF	**2130**	46.9	85.2	1.16	28.5	4.4
PHY 499 WRF	**2067**	46.7	85.7	1.15	32.0	4.4
DP 0920 B2RF	**1986**	45.2	85.0	1.21	30.0	4.3
DP 0912 B2RF	**1964**	43.4	84.0	1.13	29.5	4.9
AM1511 B2RF	**1946**	45.1	84.2	1.13	30.3	4.7
Dyna-Gro 2570B2RF	**1916**	43.5	84.2	1.14	30.1	4.5
All-Tex 7A21	**1843**	44.7	84.2	1.16	29.6	4.5
PHY 375 WRF	**1838**	43.8	84.3	1.13	29.0	4.1
BX 1262B2F	1808	44.0	83.7	1.17	30.4	4.3
CG 3787 B2RF	1805	45.7	85.2	1.17	27.7	4.2
DP 1133 B2RF	1774	45.6	85.7	1.17	32.4	4.5
AM 1550 B2RF	1710	43.5	83.7	1.12	27.6	4.6
ST 4288B2F	1709	40.0	84.2	1.17	30.2	4.6
All-Tex ATX3039 B2RF	1708	43.8	84.1	1.14	27.9	3.9
BRS286	1687	41.2	84.6	1.13	30.6	4.5
ST 4145LLB2	1666	43.5	84.5	1.15	30.3	4.3
DP 0924 B2RF	1628	43.2	84.4	1.15	28.2	4.6
BRS293	1625	40.0	84.3	1.15	32.2	4.4
SSG CT310 HQ	1569	39.2	84.5	1.16	34.5	4.0
GA2004143	1567	43.9	85.0	1.20	33.1	4.2
DP 0949B2RF	1566	43.9	84.1	1.19	31.5	5.0
SSG HQ 210 CT	1552	41.6	84.3	1.18	29.7	4.3
BX 1252LLB2	1549	41.0	85.2	1.16	32.3	4.0
All-Tex LA122	1541	43.9	84.4	1.15	27.6	4.3
FM1740B2RF	1518	43.5	83.9	1.17	29.9	4.4
GA2008057	1493	41.4	85.0	1.20	31.4	4.2
BCSX 1150B2RF	1430	40.1	85.6	1.23	33.4	4.2
All-Tex ATX81144	1426	41.3	85.2	1.25	31.1	3.9
PHY 367 WRF	1425	43.7	83.9	1.16	29.8	4.2
GA2006106	1401	42.2	84.9	1.18	33.8	4.5
SSG CT Linwood	1348	43.4	83.6	1.09	33.2	4.8
Average	1684	43.2	84.5	1.16	30.6	4.4
LSD 0.10	305	0.8	1.1	0.05	3.0	0.4
CV %	15.4	1.6	0.8	2.60	5.7	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: April 27, 2011.
Harvested: September 13, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Yield Summary for Dryland Earlier Maturity Cotton Varieties, 2011

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	**1725** [3]	**1238** [1]	**604** [10]	**2067** [2]	**1409** [1]	46.2	83.9	1.10	31.1	4.4
AM1511 B2RF	**1778** [1]	**1123** [2]	**648** [3]	**1946** [5]	**1374** [2]	45.5	83.8	1.09	30.3	4.5
DP 0912 B2RF	**1544** [7]	**1116** [3]	**687** [1]	**1964** [4]	**1328** [3]	43.5	83.8	1.12	29.9	4.7
DP 1028 B2RF	1395 [13]	1039 [5]	**672** [2]	**2130** [1]	**1309** [4]	47.2	84.1	1.13	27.9	4.5
AM 1550 B2RF	**1678** [4]	997 [9]	**606** [9]	1710 [12]	1248 [5]	43.6	83.7	1.10	26.8	4.4
BX 1262B2F	**1773** [2]	1002 [8]	**381** [30]	1808 [9]	1241 [6]	42.6	83.3	1.13	31.2	4.1
All-Tex 7A21	**1607** [6]	989 [11]	**475** [27]	**1843** [7]	1228 [7]	44.1	83.7	1.13	30.1	4.5
Dyna-Gro 2570B2RF	1450 [11]	961 [14]	**553** [17]	**1916** [6]	1220 [8]	42.6	83.7	1.11	29.6	4.4
ST 4288B2F	**1663** [5]	982 [13]	**500** [25]	1709 [13]	1214 [9]	40.8	83.5	1.13	28.0	4.3
CG 3787 B2RF	1463 [10]	994 [10]	**581** [12]	1805 [10]	1211 [10]	46.3	84.2	1.13	28.1	4.5
DP 0920 B2RF	1321 [22]	840 [24]	**607** [8]	**1986** [3]	1189 [11]	43.8	83.8	1.13	26.9	4.3
DP 0924 B2RF	1505 [9]	1011 [7]	**528** [21]	1628 [17]	1168 [12]	42.4	83.7	1.10	28.4	4.5
ST 4145LLB2	1371 [16]	1063 [4]	**518** [23]	1666 [16]	1155 [13]	43.6	83.0	1.11	29.8	4.2
PHY 375 WRF	1341 [21]	949 [16T]	**476** [26]	**1838** [8]	1151 [14]	44.1	83.4	1.09	28.3	4.1
BRS293	1512 [8]	986 [12]	**459** [28]	1625 [18]	1146 [15]	41.4	83.1	1.10	32.9	4.7
All-Tex ATX3039 B2RF	1433 [12]	939 [17]	**431** [29]	1708 [14]	1128 [16]	44.6	82.5	1.11	26.7	4.1
BRS286	1306 [25]	859 [23]	**614** [7]	1687 [15]	1116 [17]	41.0	82.9	1.09	30.3	4.3
DP 0949B2RF	1357 [17]	949 [16T]	**566** [15]	1566 [21]	1109 [18T]	44.5	83.3	1.12	30.0	4.7
BX 1252LLB2	1376 [15]	886 [20]	**627** [5]	1549 [23]	1109 [18T]	42.1	83.6	1.12	30.9	4.3
All-Tex LA122	1355 [19]	916 [18]	**578** [13]	1541 [24]	1098 [19]	44.4	83.4	1.11	27.8	4.3
DP 1133 B2RF	1240 [28]	793 [26]	**542** [18]	1774 [11]	1087 [20T]	45.3	84.2	1.13	30.7	4.6
GA2004143	1352 [20]	874 [21]	**555** [16]	1567 [20]	1087 [20T]	45.2	83.8	1.15	31.9	4.4
PHY 367 WRF	1318 [23]	958 [15]	**645** [4]	1425 [29]	1086 [21]	43.9	83.6	1.12	29.7	4.2
All-Tex ATX81144	1356 [18]	1036 [6]	**511** [24]	1426 [28]	1082 [22]	41.3	84.7	1.21	32.3	3.7
SSG HQ 210 CT	1313 [24]	862 [22]	**588** [11]	1552 [22]	1079 [23]	41.4	82.6	1.10	30.7	4.6
BCSX 1150B2RF	1383 [14]	888 [19]	**534** [19]	1430 [27]	1059 [24]	40.4	84.1	1.17	31.8	4.1
FM1740B2RF	1241 [27]	816 [25]	**567** [14]	1518 [25]	1035 [25]	43.2	83.2	1.12	28.5	4.2
GA2006106	1253 [26]	754 [28T]	**618** [6]	1401 [30]	1006 [26]	41.9	83.6	1.15	31.9	4.3
SSG CT310 HQ	1166 [29]	754 [28T]	**519** [22]	1569 [19]	1002 [27]	39.9	83.4	1.12	33.4	4.5
SSG CT Linwood	872 [31]	761 [27]	**531** [20]	1348 [31]	878 [28]	43.4	82.9	1.08	31.9	4.9
GA2008057	1004 [30]	621 [29]	**317** [31]	1493 [26]	859 [29]	41.0	84.3	1.16	32.8	4.3
Average	1402	934	550	1684	1142	43.3	83.6	1.12	30.0	4.4
LSD 0.10	254	128	N.S. [b]	305	144	1.2	0.7	0.02	1.3	0.2
CV %	15.4	11.7	31.1	15.4	17.2	1.9	0.9	2.19	4.7	5.1

[a] Superscripts indicate ranking at that location.

[b] The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.1

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], 2010-2011

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1303**	46.2	83.5	1.09	31.2	4.6
DP 1028 B2RF	1194	47.2	83.3	1.11	28.1	4.8
DP 0912 B2RF	1187	43.7	82.9	1.08	29.2	4.9
PHY 375 WRF	1072	44.5	82.9	1.08	27.9	4.3
Dyna-Gro 2570B2RF	1067	43.0	83.1	1.09	29.4	4.6
AM 1550 B2RF	1055	43.4	83.0	1.08	26.7	4.5
DP 0920 B2RF	1052	44.2	82.9	1.11	26.7	4.5
All-Tex 7A21	1042	44.3	83.3	1.13	29.9	4.7
All-Tex LA122	1033	44.3	83.2	1.11	27.9	4.5
DP 0924 B2RF	1026	43.1	82.7	1.07	28.1	4.7
ST 4288B2F	1023	40.8	82.4	1.10	27.4	4.5
PHY 367 WRF	1020	43.7	82.7	1.11	29.2	4.3
FM1740B2RF	977	43.3	82.6	1.09	28.5	4.5
GA2006106	966	41.9	82.8	1.15	31.6	4.5
SSG CT Linwood	864	43.1	82.3	1.07	31.4	5.0
Average	1059	43.8	82.9	1.10	28.9	4.6
LSD 0.10	73	0.4	0.4	0.02	0.7	0.1
CV %	16.8	2.0	0.9	2.54	4.5	5.3

[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, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1515**	49.4	84.4	1.09	31.2	4.9
DP 1048 B2RF	**1434**	48.9	83.3	1.07	28.6	4.9
BX 1262B2F	**1411**	46.3	83.4	1.10	30.1	4.7
DP 1137 B2RF	**1407**	48.2	83.8	1.11	28.2	5.0
DP 1050 B2RF	**1365**	48.6	83.5	1.11	27.5	4.6
ST 5458B2RF	**1320**	45.0	82.6	1.07	30.2	5.0
DP 1034 B2RF	1284	47.9	83.3	1.10	27.4	4.7
BX 1254LLB2	1276	46.3	82.9	1.13	29.6	4.7
AM1511 B2RF	1226	47.9	83.5	1.07	29.6	4.5
MON 10R051 B2RF	1178	49.5	83.0	1.07	27.4	4.9
DP 1252 B2RF	1169	49.7	84.0	1.12	27.4	5.1
ST 4145LLB2	1158	45.9	82.1	1.08	31.2	4.1
ST 5288B2F	1123	44.6	83.2	1.08	27.6	4.8
BX 1252LLB2	1115	45.7	83.9	1.13	33.2	4.5
PHY 440 W	1114	45.4	84.1	1.09	30.9	4.4
GA2007095	1075	43.3	83.0	1.10	29.8	4.3
PHY 565 WRF	1075	44.6	83.8	1.07	30.0	4.3
DP 1133 B2RF	1062	47.7	83.3	1.08	30.3	5.2
GA2004230	1046	44.0	84.2	1.15	30.1	4.4
PHY 375 WRF	987	47.1	83.0	1.07	28.1	4.5
GA2008083	973	49.0	82.7	1.05	32.7	4.6
BX 1261B2F	892	42.8	83.2	1.09	29.9	4.5
Average	1191	46.7	83.3	1.09	29.6	4.6
LSD 0.10	195	0.8	1.0	0.04	1.7	0.4
CV %	13.9	1.4	0.7	2.35	3.4	4.7

* 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 5, 2011.
Harvested: September 19, 2011.
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.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	2.50	1.40	3.69	1.90	1.00	1.63

Trials conducted by Larry Thompson.

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1168**	47.0	82.9	1.07	29.8	4.7
AM1511 B2RF	**1150**	45.3	83.0	1.05	29.3	4.7
BX 1262B2F	**1146**	46.6	81.5	1.08	28.7	4.8
ST 5458B2RF	**1134**	44.3	81.3	1.06	26.4	4.8
BX 1261B2F	**1082**	43.5	82.6	1.10	29.9	4.1
DP 1137 B2RF	**1056**	47.0	84.3	1.10	28.6	4.8
ST 5288B2F	**1042**	44.9	82.8	1.06	27.0	4.4
DP 1048 B2RF	**1040**	46.0	82.4	1.06	27.0	4.5
PHY 565 WRF	**1039**	44.2	83.8	1.10	30.0	4.5
DP 1034 B2RF	**1032**	45.1	82.4	1.08	26.6	4.8
DP 1050 B2RF	**1025**	46.7	83.3	1.11	26.7	4.9
BX 1254LLB2	**1014**	44.0	82.3	1.12	30.1	4.7
BX 1252LLB2	**1007**	43.6	83.5	1.12	30.0	4.7
MON 10R051 B2RF	**1007**	46.5	82.7	1.10	27.8	4.9
GA2004230	1003	44.0	82.5	1.15	29.2	4.9
ST 4145LLB2	995	44.0	82.4	1.09	29.0	4.5
PHY 375 WRF	976	45.8	81.7	1.08	27.6	4.4
GA2007095	952	43.7	82.6	1.13	30.2	4.8
PHY 440 W	862	43.4	83.4	1.10	32.3	4.3
DP 1252 B2RF	840	46.0	82.7	1.07	27.8	4.8
DP 1133 B2RF	840	46.6	82.9	1.06	31.2	5.1
GA2008083	725	44.1	82.4	1.07	30.5	4.8
Average	1006	45.1	82.7	1.09	28.9	4.7
LSD 0.10	163	2.1	1.2	0.04	2.2	0.3
CV %	13.7	3.9	0.8	2.37	4.4	3.3

* 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: May 3, 2011.
Harvested: October 3, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 85 lb N, 60 lb P_2O_5, and 70 lb K_2O/acre.
Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	April	May	June	July	Aug.	Sept.
Irrigation (in):	1.41	2.32	1.76	2.22	1.50	2.51

Trials conducted by Larry Thompson.

Plains, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
AM1511 B2RF	**762**	42.6	82.3	1.11	31.0	4.2
DP 1050 B2RF	**680**	41.9	82.4	1.11	27.7	3.8
PHY 440 W	**650**	37.8	82.9	1.11	30.4	3.5
DP 1252 B2RF	**646**	42.7	83.2	1.11	30.0	3.9
DP 1048 B2RF	**632**	41.7	83.0	1.12	28.0	3.8
MON 10R051 B2RF	**628**	41.9	82.4	1.11	28.1	3.8
PHY 375 WRF	**627**	40.5	82.5	1.08	26.7	3.6
GA2007095	**625**	37.5	82.9	1.15	30.9	3.8
DP 1137 B2RF	**625**	41.4	82.6	1.09	27.8	4.2
PHY 499 WRF	594	44.8	82.8	1.10	32.0	4.1
DP 1034 B2RF	591	40.4	83.2	1.13	28.4	3.7
ST 4145LLB2	576	38.1	82.8	1.13	29.4	3.7
GA2004230	571	37.9	82.5	1.19	30.0	4.1
BX 1262B2F	569	40.5	82.4	1.13	31.7	3.9
ST 5288B2F	543	38.3	82.0	1.10	27.7	3.9
ST 5458B2RF	535	38.5	81.8	1.11	30.0	4.3
DP 1133 B2RF	508	41.5	83.6	1.13	31.4	4.0
GA2008083	500	42.6	81.9	1.14	32.3	4.2
PHY 565 WRF	480	35.9	82.4	1.08	29.1	3.5
BX 1254LLB2	449	39.0	81.0	1.12	29.7	3.6
BX 1261B2F	388	37.0	82.4	1.12	29.8	3.7
BX 1252LLB2	386	39.1	82.4	1.14	31.1	3.8
Average	571	40.1	82.5	1.12	29.7	3.8
LSD 0.10	156	1.4	N.S.[1]	N.S.	2.7	0.3
CV %	23.1	3.1	1.5	3.11	5.2	5.0

* 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 5, 2011.
Harvested: October 7, 2011.
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.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	2.01	0.03	1.12	7.00	1.50	3.38

Trials conducted by Larry Thompson.

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2011

Variety	Lint Yield	Lint	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2254**	45.2	84.6	1.18	32.6	4.3
DP 1252 B2F	**2022**	47.5	84.9	1.16	27.3	4.7
ST 5288B2F	1957	43.7	84.3	1.15	26.2	4.4
DP 1137 B2RF	1945	44.3	85.2	1.15	29.3	4.6
DP 1133 B2RF	1940	46.3	85.2	1.15	31.1	4.6
BX 1262B2F	1906	43.6	84.6	1.17	30.7	4.7
AM1511 B2RF	1906	46.0	85.0	1.15	29.7	5.0
DP 1050 B2RF	1905	45.3	84.2	1.16	26.5	4.5
BX 1254LLB2	1895	44.6	84.2	1.11	32.0	4.9
MON 10R051 B2RF	1850	46.7	85.1	1.16	28.2	4.4
DP 1034 B2RF	1844	46.6	84.9	1.15	27.0	4.5
DP 1048 B2RF	1814	44.9	85.5	1.18	28.1	4.4
BX 1261B2F	1690	40.5	83.8	1.16	28.7	4.2
PHY 375 WRF	1676	43.2	84.4	1.16	29.1	3.9
PHY 565 WRF	1658	41.3	83.5	1.19	31.2	4.1
GA2004230	1657	42.5	84.3	1.23	30.5	4.1
ST 4145LLB2	1650	43.5	84.5	1.15	31.3	4.5
ST 5458B2RF	1626	42.3	83.5	1.17	32.4	5.0
BX 1252LLB2	1593	42.1	84.0	1.19	31.1	4.2
GA2007095	1558	42.2	84.7	1.19	28.1	4.2
PHY 440 W	1536	41.6	84.6	1.12	30.6	4.4
GA2008083	1442	46.6	83.1	1.09	31.1	4.3
Average	1787	44.1	84.4	1.16	29.7	4.4
LSD 0.10	242	0.7	N.S.[1]	0.04	1.9	0.3
CV %	11.5	1.3	1.0	2.17	3.8	3.7

* 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, 2011.
Harvested: September 13, 2011.
Soil Type: Tifton loamy sand.
Fertilization: 78 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre.
Management: Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.
Rainfall (in):	1.48	0	1.94	4.06	1.26	4.53

Trials conducted by Larry Thompson.

Yield Summary for Dryland Later Maturity Cotton Varieties, 2011

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	**1515** [1]	**1168** [1]	594 [9]	**2254** [1]	**1383** [1]	46.6	83.6	1.11	31.4	4.5
AM1511 B2RF	1226 [9]	**1150** [2]	**762** [1]	1906 [6T]	**1261** [2]	45.4	83.4	1.09	29.9	4.6
DP 1137 B2RF	**1407** [4]	**1056** [6]	**625** [8T]	1945 [4]	**1258** [3T]	45.2	83.9	1.11	28.5	4.6
BX 1262B2F	**1411** [3]	**1146** [3]	569 [13]	1906 [6T]	**1258** [3T]	44.3	83.0	1.12	30.3	4.5
DP 1050 B2RF	**1365** [5]	**1025** [11]	**680** [2]	1905 [7]	1244 [4]	45.6	83.3	1.12	27.1	4.4
DP 1048 B2RF	**1434** [2]	**1040** [8]	**632** [5]	1814 [11]	1230 [5]	45.4	83.5	1.11	27.9	4.4
DP 1034 B2RF	1284 [7]	**1032** [10]	591 [10]	1844 [10]	1188 [6]	45.0	83.4	1.12	27.3	4.4
DP 1252 B2RF	1169 [11]	840 [19T]	**646** [4]	**2022** [2]	1169 [7]	46.5	83.7	1.11	28.1	4.6
ST 5288B2F	1123 [13]	**1042** [7]	543 [14]	1957 [3]	1166 [8T]	42.9	83.1	1.10	27.1	4.4
MON 10R051 B2RF	1178 [10]	**1007** [13T]	**628** [6]	1850 [9]	1166 [8T]	46.1	83.3	1.11	27.9	4.5
BX 1254LLB2	1276 [8]	**1014** [12]	449 [19]	1895 [8]	1159 [9]	43.5	82.6	1.12	30.3	4.5
ST 5458B2RF	**1320** [6]	**1134** [4]	535 [15]	1626 [17]	1154 [10]	42.5	82.3	1.10	29.7	4.7
ST 4145LLB2	1158 [12]	995 [15]	576 [11]	1650 [19]	1094 [11]	42.9	82.9	1.11	30.2	4.2
DP 1133 B2RF	1062 [17]	840 [19T]	508 [16]	1940 [5]	1087 [12]	45.5	83.7	1.10	31.0	4.7
GA2004230	1046 [18]	1003 [14]	571 [12]	1657 [15]	1069 [13]	42.1	83.4	1.18	29.9	4.3
PHY 375 WRF	987 [19]	976 [16]	**627** [7]	1676 [13]	1067 [14]	44.2	82.9	1.10	27.8	4.1
PHY 565 WRF	1075 [16T]	**1039** [9]	480 [18]	1658 [14]	1063 [15]	41.5	83.3	1.11	30.1	4.1
GA2007095	1075 [16T]	952 [17]	**625** [8T]	1558 [19]	1052 [16]	41.7	83.3	1.14	29.7	4.3
PHY 440 W	1114 [15]	862 [18]	**650** [3]	1536 [20]	1041 [17]	42.1	83.7	1.10	31.0	4.1
BX 1252LLB2	1115 [14]	**1007** [13T]	386 [21]	1593 [18]	1025 [18]	42.6	83.5	1.14	31.3	4.3
BX 1261B2F	892 [21]	**1082** [5]	388 [20]	1690 [12]	1013 [19]	41.0	83.0	1.12	29.6	4.1
GA2008083	973 [20]	725 [20]	500 [17]	1442 [21]	910 [20]	45.6	82.5	1.09	31.7	4.5
Average	1191	1006	571	1787	1139	44.0	83.2	1.11	29.4	4.4
LSD 0.10	195	163	156	242	134	1.1	0.6	0.02	1.2	0.2
CV %	13.9	13.7	23.1	11.5	14.3	2.6	1.0	2.53	4.2	4.2

[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], 2010-2011

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1267**	46.5	83.4	1.09	31.3	4.6
DP 1050 B2RF	1144	46.2	83.3	1.11	27.4	4.6
DP 1137 B2RF	1143	45.6	83.4	1.10	27.9	4.7
DP 1048 B2RF	1115	45.8	83.1	1.10	27.7	4.6
DP 1034 B2RF	1081	45.4	83.1	1.11	27.6	4.6
DP 1252 B2RF	1063	46.9	83.3	1.10	28.4	4.8
ST 5458B2RF	1040	42.8	82.0	1.09	29.3	4.8
ST 5288B2F	1030	43.0	82.6	1.09	27.2	4.6
DP 1133 B2RF	1019	45.8	83.1	1.09	31.1	4.8
PHY 375 WRF	991	44.4	82.5	1.08	28.1	4.3
PHY 565 WRF	963	41.8	82.9	1.10	30.5	4.4
PHY 440 W	938	43.3	83.0	1.07	30.3	4.3
Average	1066	44.8	83.0	1.09	28.9	4.6
LSD 0.10	62	0.4	0.5	0.02	0.6	0.1
CV %	14.0	2.4	0.9	2.65	3.7	5.0

[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, 2011

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 196	3639	4405	121	65	20	38.9	80	2.77	16.4	5.94
GF 318	3632	4808	134	53	19	36.7	75	2.30	18.6	8.11
CC 37	3581	3998	112	61	19	39.6	79	2.15	17.4	8.06
NC 92	3564	3155	88	50	21	40.1	80	3.19	14.5	4.54
NC 291	3554	4619	128	69	20	36.2	74	2.89	16.1	5.58
SP 168	3498	4426	125	67	19	36.7	76	1.96	16.6	8.47
PVH 1452	3474	4201	121	65	20	37.1	75	2.69	16.5	6.14
SP 227	3398	4102	118	64	20	37.1	79	2.08	14.8	7.12
CC 65	3369	3216	94	54	20	42.1	79	2.62	15.4	5.89
PVH 2277	3367	5182	154	79	19	39.1	71	2.17	17.7	8.15
CC 700	3355	4409	131	69	20	37.3	73	3.15	14.9	4.72
NC 71	3345	4387	131	70	18	35.2	78	2.43	15.1	6.22
NC 297	3321	4094	124	67	19	35.3	79	3.15	16.2	5.16
GL 395	3301	4314	129	70	20	37.9	79	2.39	15.1	6.31
NC 299	3289	4000	121	67	19	37.0	82	2.85	15.8	5.54
PVH 1596	3277	4030	124	68	19	35.7	76	3.18	13.7	4.31
GL 338	3274	3875	118	54	18	35.8	72	2.70	16.8	6.22
CC 27	3262	3892	120	64	18	36.1	72	2.82	13.0	4.62
K 399	3231	4019	122	66	20	34.8	74	2.41	18.0	7.45
NC 72	3228	3562	111	62	19	36.3	79	2.67	13.9	5.22
NC 471	3211	4267	134	72	19	39.8	78	2.71	15.2	5.62
SP 225	3155	4155	132	71	18	36.5	77	2.34	15.8	6.77
K 346	3114	3166	101	55	18	34.7	78	2.61	14.5	5.56
K 326	3075	5372	173	89	18	35.1	75	2.31	13.5	5.87
SP 236	3007	3464	111	61	19	35.5	79	2.21	16.7	7.56
GL 368	2951	3010	98	70	19	38.3	79	2.51	15.9	6.33
CC 67	2939	3386	111	61	18	37.1	75	1.93	18.7	9.71
NC 95	2725	4417	162	82	18	38.3	73	2.67	14.1	5.27
NC2326	2154	2249	105	53	17	34.2	64	2.56	13.8	5.37
LSD @ 0.05	616.3	1500.4	32.6	14.5						

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 (2010-2011) 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:
Three and Two -Year Averages of Official Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2008, 2010 and 2011

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		%	%	
3 Year Average 2008, 2010 and 2011										
NC 196	3436	4878	143	73	21	40	79	2.33	16.3	7.12
Speight 227	3408	4808	140	71	20	38	77	2.55	15.0	6.03
NC 291	3367	4594	136	71	20	36	76	2.95	14.6	5.03
CC 37	3361	4288	129	66	18	40	78	2.55	15.2	6.17
NC 71	3360	4825	144	72	20	35	75	2.54	15.3	6.06
NC 92	3345	4247	127	65	20	40	77	2.85	15.3	5.45
Speight 168	3298	4605	141	71	19	37	75	2.40	15.5	6.65
NC 72	3262	4445	137	70	21	38	75	2.87	13.8	4.87
CC 27	3252	4295	133	68	21	39	73	2.52	14.1	5.70
NC 297	3211	4563	142	71	20	38	76	2.70	16.0	6.02
K 326	3206	5053	157	78	21	38	79	2.62	15.0	4.95
CC 700	3164	4522	142	72	20	38	75	2.82	15.5	5.53
Speight 236	3102	4308	137	70	20	38	76	2.73	16.0	6.03
Speight 225	3051	4477	147	74	19	38	75	2.51	15.1	6.02
K 346	3051	4173	136	69	21	36	76	2.55	14.0	5.48
NC 299	2994	4259	143	72	20	38	80	2.57	16.2	6.38
NC 95	2741	3857	141	72	19	39	75	3.04	14.5	4.91
NC 2326	2407	2786	116	59	18	37	66	3.19	12.5	4.25
2 Year Average 2010-2011										
GF 318	3398	4826	144	64	20	40	76	2.67	17.8	6.87
CC 37	3319	4195	128	67	16	40	79	2.27	16.2	7.15
PVH 1452	3286	4501	138	71	19	38	74	2.64	15.4	5.85
NC 196	3213	4473	142	72	20	40	80	2.48	16.4	6.72
SP 227	3142	4206	134	69	19	36	79	2.58	14.3	5.80
NC 92	3140	3482	114	61	20	40	77	2.77	14.5	5.37
SP 168	3139	4314	139	71	18	36	76	2.27	15.8	7.13
NC 291	3131	4254	135	71	19	35	76	2.75	15.5	5.65
NC 471	3101	4507	146	75	20	41	78	2.49	15.0	6.04
CC 27	3081	3945	129	67	20	38	74	2.48	13.8	5.69
NC 72	3068	3981	132	69	19	38	77	2.63	14.1	5.36
GL 338	3044	4067	135	64	18	37	70	2.70	15.9	5.90
CC 700	3031	4192	139	71	19	38	75	2.94	15.7	5.40
PVH 1596	2973	4119	141	73	19	37	75	2.69	15.3	6.02
NC 71	2950	4123	141	73	19	35	77	2.40	15.2	6.34
SP 236	2912	3772	128	67	19	37	75	2.70	16.4	6.30
K326	2892	4618	158	80	19	36	78	2.63	14.2	5.48
K 399	2892	4017	140	72	19	35	77	2.35	17.8	7.54
NC 297	2877	3853	136	70	19	36	78	2.74	16.1	6.02
PVH 2277	2851	4477	158	79	19	37	75	2.36	17.8	7.59

Three and Two -Year Averages of Official Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2008, 2010 and 2011 (Continued)

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		%	%	
2 Year Average 2010-2011 - continued										
NC 299	2838	3841	138	71	19	37	82	2.50	15.6	6.32
K346	2808	3529	128	67	18	36	75	2.52	14.4	5.72
SP 225	2808	4011	144	74	18	37	78	2.44	15.4	6.33
GL 368	2791	3590	128	74	18	38	76	2.75	15.8	5.81
CC 67	2703	3480	128	67	18	36	76	2.12	17.3	8.29
NC 95	2452	3707	150	75	19	39	77	2.68	15.1	5.62
NC2326	2278	2931	127	64	18	36	66	2.51	12.8	5.08

spaced 20-22 inches apart in 44-inch rows.

1. Price Index based on two year average (2010-2011) 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.

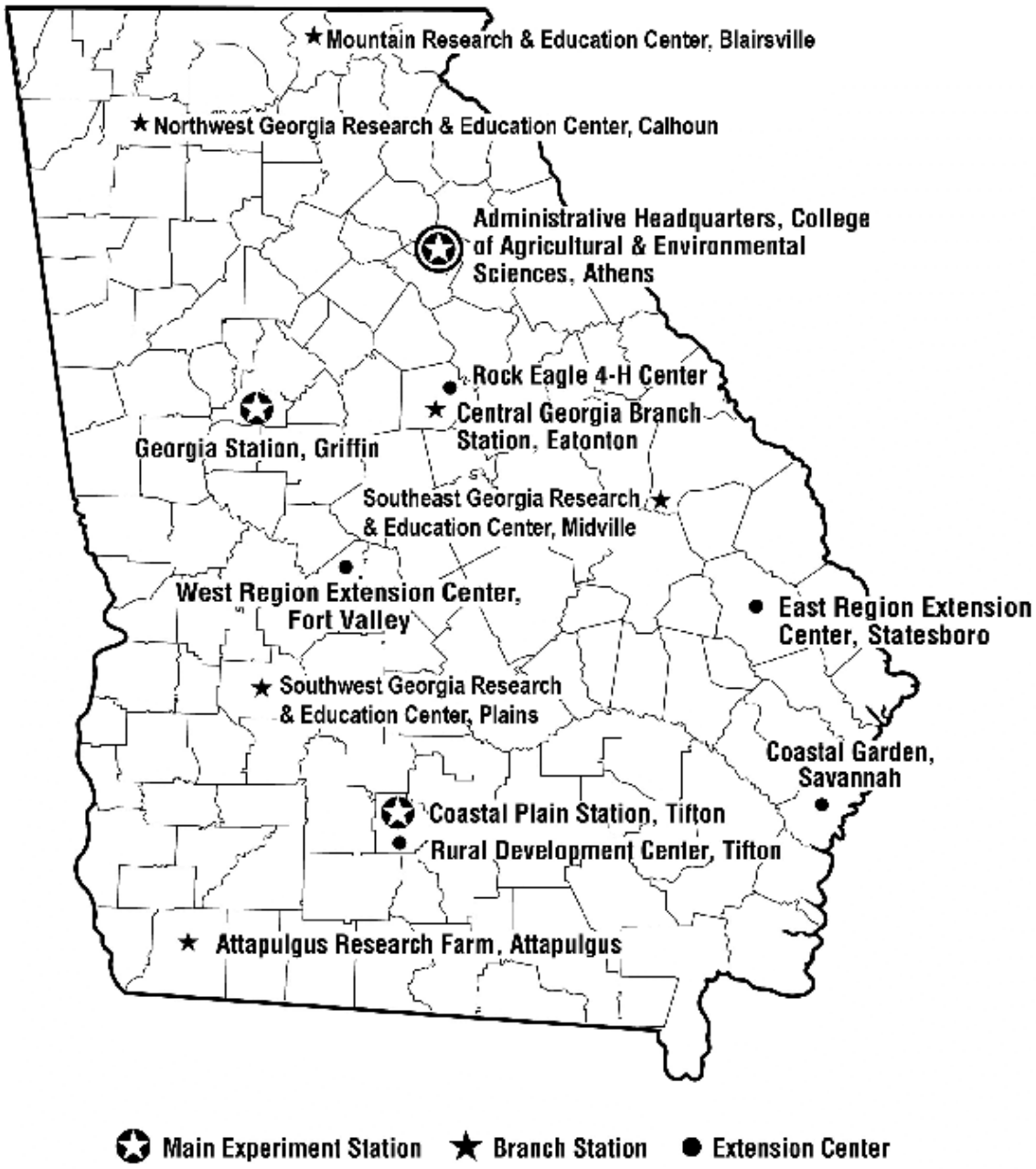
Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test -
Comparison of Varieties for Certain Characteristics, 2011

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		%	%	
NCEX 34	3772	5798	155	81	19	39.3	72	2.00	14.0	7.01
CU 136	3722	5823	157	81	19	39.5	70	2.18	14.5	6.64
GLEX 328	3720	6079	163	84	19	38.9	76	1.99	15.2	7.61
CC 1063	3685	5969	162	84	19	38.6	70	2.80	12.7	4.53
ULT 123	3590	6000	167	86	19	38.9	73	1.76	15.6	8.86
ULT 143	3580	5889	164	85	18	38.0	71	2.24	14.5	6.45
NC EX 24	3502	5338	153	80	18	39.9	74	1.91	13.7	7.18
NC 95	3390	4876	144	74	19	41.1	73	2.67	14.1	5.27
NCTG 156	3345	5500	164	85	18	34.3	69	2.07	13.8	6.64
PXH 1	3336	5035	150	78	20	39.1	77	1.93	13.6	7.08
XP 254	3275	5229	165	86	19	40.0	75	1.84	15.8	8.61
RJR 901	3176	4933	155	82	19	38.3	73	2.39	11.3	4.73
K 326	3161	5236	164	85	19	36.5	75	2.31	13.5	5.87
GF 157	2920	4901	167	86	18	37.3	70	2.17	11.1	5.13
GLEX 362	2766	4405	159	84	18	35.9	73	2.40	12.8	5.34
NC 2326	2070	2674	129	67	17	34.6	64	2.56	13.8	5.37
LSD -0.05	571.1	1105.8	16.9	7.53						

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 (2010-2011) 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.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