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2012 Peanut, Cotton and Tobacco Performance Tests

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Editors

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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 2012 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 2013 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 2012 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2012 Corn Performance Tests (Annual Publication 101-4), 2011-2012 Small Grains Performance Tests (Annual Publication 100-4), 2012 Soybean, Sorghum Grain and Silage, and Summer Annual Forage Performance Tests (Annual Publication 103-4), and 2011-2012 Canola Performance data available at 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.

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2012 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

Agricultural producers in Georgia experienced another year of lower than normal rainfall. The state was dry as of March 1, although there was adequate planting moisture in most areas. Planting progressed well ahead of five-year averages. By early May, only a quarter of the state had adequate moisture. Except for southeastern Georgia, drought conditions continued through June. Irrigation began during early vegetative growth and continued through maturity in much of the state. Irrigation allowed 2/3 to 3/4 of the crop to remain in good condition throughout the season. Summer thunderstorms were beneficial to some areas. Insect and disease pressure levels increased as the season progressed. Stink bugs were a concern in some areas. White mold in peanuts was an issue and persisted through the growing season.

Seasonal rainfall totals, as shown in the table below, were 6 to 13 inches less than normal in north Georgia, with the most critical areas in the Limestone Valley region and Athens. In the Coastal Plain, rainfall was normal to 8 inches above the long-term average in the east and central areas to 17 inches below normal in the southwestern area around Plains. Extremely dry conditions (53% of normal rainfall) persisted for the last three years in Sumter County (Plains) and surrounding areas.

2012 Rainfall[1]

Month	Athens[2]	Attapulgus[3]	Midville	Plains	Tifton
	---------- inches ----------				
March	2.92	4.91	3.63	2.02	4.71
April	2.39	1.62	1.07	1.49	1.21
May	2.03	2.48	6.09	1.13	3.48
June	1.82	5.80	5.52	2.69	5.24
July	3.62	8.69	3.37	4.01	6.66
August	4.35	14.56	8.39	1.87	13.41
September	3.37	4.16	2.02	3.98	3.85
October	1.24	0.87	0.43	0.59	1.57
November	1.10	0.89	1.53	0.97	1.29
Total	22.84	43.98	32.05	18.75	41.42
Normal (9 mo)	35.92	41.70	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 the nearest location to the Bainbridge site.

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Crop maturity progressed ahead of the five-year average and harvest conditions during 2012 were excellent. Georgia peanut producers planted 735,000 acres this year, a 54% increase from last year and the most planted since 2005. During 2012, cotton farmers seeded 1.3 million acres, 28% less than last year. Tobacco planting in the state declined slightly as 10,500 acres were transplanted during the 2012 crop year, 1,400 acres less than in 2011.

The state per-acre yield for peanuts was 4,150 pounds, which set a new state record and produced more than 3 billion pounds of nuts. Cotton per acre yield in 2012 of 934 pounds was 18 percent higher than last year and one of the highest per-acre yields during the past seven years. Totaled over harvested acres, the 2012 yield level produced 2.5 million bales, which matched the new record for cotton production in Georgia set by last year's crop. Tobacco production in the state of Georgia this year halted a decline due to a 2% increase in per-acre yield during 2012 when compared to 2011.

PEANUT

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Spanish Types								
GA 082549[1]	09/26	**4764**	74.0	5.0	0.0	0.0	924	0.0
GA 082548 [1]	09/26	**4541**	75.0	4.5	0.0	0.0	902	0.0
Georgia Browne	09/18	**4450**	73.0	5.5	0.0	0.0	1024	0.0
GA 082550-MS10[1]	10/09	**4430**	77.5	4.0	0.0	0.0	943	0.0
Georgia-04S	09/18	4365	72.5	5.5	0.5	0.0	1069	0.0
Tamspan 90	08/31	4041	69.0	6.0	1.0	0.0	989	0.0
Tamnut OL06	08/31	3869	66.0	4.5	1.0	0.0	920	0.0
OLin	08/31	3270	67.0	6.5	1.0	0.0	1026	0.0
Pronto	08/17	2983	72.0	4.5	1.0	0.0	940	0.0
Spanco	08/17	2956	72.0	3.5	1.0	0.0	967	0.0
Average	09/10	3967	71.8	5.0	0.6	0.0	970	0.0
LSD at 10% Level		342	2.8	1.4	0.5	-	72	-
C.V. %		10.0	-	-	-	-	-	-
Valencia Types								
Georgia Valencia	08/31	**4069**	64.0	3.5	2.0	0.0	677	0.0
Georgia Red	08/31	3346	66.0	5.5	2.5	0.0	832	0.0
N.M. Valencia A	08/17	2596	65.0	6.5	0.5	0.0	1024	0.0
H & W Valencia 136	08/17	2520	65.5	6.0	1.0	0.0	981	0.0
Valencia McRan	08/17	2481	64.5	6.0	1.0	0.0	1005	0.0
N.M. Valencia C	08/17	2387	64.0	6.5	2.0	0.0	991	0.0
Average	08/22	2899	64.8	5.7	1.5	0.0	918	0.0
LSD at 10% Level		342	2.8	1.4	0.5	-	72	-
C.V. %		10.0	-	-	-	-	-	-

1. Advanced Georgia breeding line.

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

Planted: May 10, 2012.

Seeding Rate: 6 seed/row foot in 36" rows.

Fertilization: 0 lb N, 0 lb P_2O_5, 0 lb K_2O, and 1500 lb/acre gypsum.

Soil Test: P = Very High, K = High, and pH = 6.5.

Soil Type: Tifton sandy loam.

Previous Crop: Cotton.

Management: Disked, moldboard plowed, and rototilled; Sonalan, Basagran, Storm, and Select used for weed control; Thimet 20G used for insect control; Artisan and Chlorothalonil used for fungal control; irrigated 6.8 inches.

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

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Florida-07	09/26	**6286**	72.5	5.0	0.0	0.0	712	.
Georgia-10T	10/09	**6102**	77.0	4.5	0.0	0.0	743	.
Georgia-07W	09/26	**5974**	75.0	3.5	0.0	0.0	667	.
Georgia-12Y	10/09	**5974**	75.0	3.5	0.0	0.0	690	.
GA 082524[1]	10/09	**5926**	77.0	3.5	0.0	0.0	857	.
GA 082522[1]	09/26	5760	76.0	4.5	0.0	0.0	897	.
GA 072716[1]	09/26	5696	73.5	5.0	0.5	0.0	837	.
Georgia-09B	09/18	5651	75.5	3.5	0.0	0.0	756	.
Georgia-06G	09/18	5614	75.5	3.5	0.0	0.0	663	.
FloRun™ '107'	09/26	5530	70.0	7.0	0.0	0.0	791	.
Georgia Green	09/18	5460	75.0	5.0	0.0	0.0	819	.
TUFRunner™ -'727'	09/18	5400	75.0	3.5	0.0	0.0	687	.
GA 082546[1]	10/09	5318	77.5	3.5	0.0	0.0	881	.
Tifguard	09/18	5239	74.0	3.0	0.0	0.0	643	.
Georgia Greener	09/18	5158	77.0	3.5	0.0	0.0	734	.
GA 072523[1]	09/18	5140	76.5	2.5	0.5	0.0	675	.
GA 072515[1]	09/18	4743	77.0	3.0	0.0	0.0	754	.
GA 082549[1,2]	09/26	4719	75.0	4.5	0.0	0.0	817	.
GA 072514[1]	09/18	4707	78.5	2.5	0.0	0.0	759	.
Georgia-02C	09/26	4683	73.0	4.5	0.0	0.0	679	.
GA 082550-MS10[1,2]	10/09	4193	76.0	4.0	0.0	0.0	929	.
Average	09/26	5394	75.3	4.0	0.0	0.0	761	.
LSD at 10% Level		470	2.0	1.4	-	-	79	
C.V. %		9.2	-	-	-	-	-	
Virginia Types								
Georgia-08V	09/18	**5935**	74.5	1.0	1.0	58.0	463	.
CHAMPS	09/06	**5641**	71.0	2.5	0.0	44.5	464	.
Gregory	09/06	**5609**	69.5	1.5	0.0	49.0	471	.
Florida Fancy	09/18	5191	70.0	1.5	0.5	47.0	453	.
Georgia-11J	10/09	5185	77.0	2.0	0.5	53.0	421	.
Perry	09/06	5173	71.0	2.0	0.0	42.5	522	.
Bailey	09/06	5155	70.0	2.5	0.0	42.5	515	.
Sugg	09/06	5079	70.5	2.0	0.5	46.5	569	.
Titan	09/06	4867	64.0	2.0	1.0	40.5	458	.
Average	09/12	5315	70.8	1.9	0.4	47.1	482	.
LSD at 10% Level		470	2.0	1.4	-	3.2	79	
C.V. %		9.2	-	-	-	-	-	

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Spanish Type.

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

Planted:	May 10, 2012.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, and 1500 lb/acre gypsum.
Soil Test:	P = Very High, K = High, and pH = 6.5.
Soil Type:	Tifton sandy loam.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed, and rototilled; Sonalan, Basagran, Storm, and Select used for weed control; Thimet 20G used for insect control; Artisan and Chlorothalonil used for fungal control; irrigated 6.8 inches.

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

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia-12Y	10/09	**6162**	73.0	4.0	0.5	0.0	686	.
Georgia-06G	09/26	**5924**	74.5	3.0	0.0	0.0	646	.
Tifguard	09/26	5475	72.5	4.0	0.0	0.0	633	.
Georgia Green	09/26	5354	73.0	4.0	0.5	0.0	803	.
Georgia-10T	10/09	5327	77.0	3.0	1.0	0.0	691	.
Georgia-09B	09/26	5288	75.5	2.0	0.0	0.0	649	.
Florida-07	10/09	5161	73.5	3.5	1.0	0.0	649	.
Georgia Greener	09/26	5147	74.0	3.0	1.0	0.0	686	.
GA 072716[1]	10/09	5037	73.5	4.0	1.5	0.0	859	.
GA 082522[1]	10/09	5034	76.5	3.5	0.5	0.0	836	.
GA 082524[1]	10/09	4916	78.0	3.5	0.0	0.0	871	.
Georgia-07W	10/09	4734	76.0	3.0	0.5	0.0	662	.
GA 082549[1,2]	10/09	4697	75.5	5.0	0.0	0.0	839	.
GA 082546[1]	10/09	4532	76.0	4.5	0.0	0.0	885	.
FloRun™ '107'	10/09	4460	73.0	5.0	1.0	0.0	786	.
GA 072523[1]	09/26	4350	73.5	4.0	0.5	0.0	666	.
TUFRunner™ -'727'	09/26	4280	71.5	3.0	1.5	0.0	662	.
GA 072515[1]	09/26	4241	73.5	4.0	1.5	0.0	724	.
GA 072514[1]	09/26	4126	77.0	4.0	0.0	0.0	767	.
GA 082550-MS10[1,2]	10/09	4102	75.5	3.5	1.0	0.0	893	.
Georgia-02C	10/09	3585	76.5	3.5	0.0	0.0	790	.
Average	10/03	4854	74.7	3.7	0.6	0.0	747	.
LSD at 10% Level		618	4.4	1.7	N.S.[3]	-	57	
C.V. %		13.6	-	-	-	-	-	
Virginia Types								
Georgia-08V	09/26	**5006**	73.5	1.0	0.5	59.0	463	.
Florida Fancy	09/26	**4889**	67.5	2.0	0.5	47.5	500	.
Georgia-11J	10/09	**4879**	75.0	1.0	1.0	59.0	404	.
CHAMPS	09/12	**4873**	68.0	3.5	1.0	38.5	454	.
Gregory	09/12	**4489**	66.0	2.5	0.5	41.5	480	.
Perry	09/12	**4465**	68.0	2.5	0.5	39.0	502	.
Bailey	09/12	4235	68.5	2.5	0.5	38.0	534	.
Sugg	09/12	4111	70.5	2.0	0.5	45.5	513	.
Titan	09/12	3733	59.0	4.0	1.0	30.0	521	.
Average	09/18	4520	68.4	2.3	0.7	44.2	485	.
LSD at 10% Level		618	4.4	1.7	N.S.	5.9	57	
C.V. %		13.6	-	-	-	-	-	

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Nonirrigated (Continued)

1. Advanced Georgia breeding line.
2. Spanish Type.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

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

Planted:	May 9, 2012.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, and 1000 lb/acre gypsum.
Soil Test:	P = Medium, K = Medium, and pH = 5.7.
Soil Type:	Fuquay loamy sand.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed, and rototilled; Sonalan, Basagran, Storm, and Select used for weed control; Thimet 20G used for insect control; Artisan and Chlorothalonil used for fungal control.

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

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia-07W	10/06	**6186**	73.0	4.5	0.5	0.0	622	.
Georgia-06G	09/24	**5870**	72.5	3.0	0.5	0.0	621	.
GA 072716[1]	10/06	**5802**	73.0	4.5	0.0	0.0	809	.
GA 082522[1]	10/06	**5801**	74.5	5.0	0.0	0.0	780	.
FloRun™ '107'	10/06	5696	72.0	3.5	0.5	0.0	708	.
Georgia-12Y	10/18	5608	70.0	5.0	0.0	0.0	713	.
Florida-07	10/06	5605	67.0	6.0	0.5	0.0	576	.
Georgia Greener	09/24	5369	73.5	3.0	0.5	0.0	654	.
TUFRunner™ -'727'	09/24	5288	70.0	4.5	0.5	0.0	624	.
Georgia-09B	09/24	5258	75.5	2.0	0.0	0.0	639	.
GA 072514[1]	09/24	5122	76.5	2.5	0.5	0.0	725	.
GA 082549[1,2]	10/06	5090	71.0	6.0	0.5	0.0	806	.
Georgia Green	09/24	5022	72.5	4.0	0.5	0.0	768	.
GA 082524[1]	10/18	4946	75.0	4.0	0.0	0.0	830	.
Georgia-02C	10/06	4766	71.5	5.0	0.5	0.0	772	.
Tifguard	09/24	4704	70.0	4.5	0.0	0.0	609	.
GA 082546[1]	10/18	4681	72.5	6.0	0.0	0.0	843	.
GA 072515[1]	09/24	4468	71.5	5.0	1.0	0.0	718	.
GA 082550-MS10[1,2]	10/18	4375	71.5	6.5	0.0	0.0	905	.
GA 072523	09/24	4362	74.0	2.5	0.0	0.0	626	.
Georgia-10T	10/18	4011	75.0	3.5	0.0	0.0	675	.
Average	10/04	5144	72.5	4.3	0.3	0.0	715	.
LSD at 10% Level		440	3.0	2.4	N.S.[3]	-	49	
C.V. %		9.5	-	-	-	-	-	
Virginia Types								
Georgia-08V	09/24	**5311**	69.5	5.0	0.5	54.0	447	.
Florida Fancy	09/24	**4999**	65.5	2.5	0.0	42.0	485	.
Georgia-11J	10/18	**4976**	73.5	2.0	0.0	51.5	419	.
Perry	09/15	4213	70.5	2.0	0.5	45.5	518	.
Gregory	09/15	3971	67.0	1.5	0.0	51.5	429	.
CHAMPS	09/15	3954	71.0	1.0	0.0	43.5	466	.
Bailey	09/15	3639	69.5	2.0	0.0	43.5	485	.
Sugg	09/15	3325	68.5	2.0	1.0	44.5	458	.
Titan	09/15	3140	64.0	2.5	0.0	41.5	439	.
Average	09/21	4170	68.8	2.3	0.2	46.4	460	.
LSD at 10% Level		440	3.0	2.4	N.S.	4.0	49	
C.V. %		9.5	-	-	-	-	-	

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Spanish Type.

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

Planted:	May 16, 2012.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test:	P = High, K = Very High, and pH = 6.1.
Soil Type:	Greenville sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed, and rototilled; Strongarm, Sonalan, Dual, Parazone, and Basagran used for weed control; Thimet 20G and Lorsban used for insect control; Bravo, Folicur, Artisan, Abound, and Provost used for fungal control; irrigated 7.0 inches.

Test conducted by A. E. Coy, R. Pines, R. Brooke, D. Dunn, D. Pearce, and W. Jones.

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia-07W	10/18	**4196**	72.5	2.5	0.5	0.0	691	.
Georgia-06G	10/18	**4172**	71.0	4.0	1.0	0.0	682	.
GA 072716[1]	10/18	**3893**	67.5	6.5	0.5	0.0	886	.
Georgia-12Y	10/18	**3888**	70.0	4.0	0.5	0.0	786	.
GA 082522[1]	10/18	**3803**	69.0	6.0	0.5	0.0	849	.
GA 072514[1]	10/18	**3787**	72.0	4.5	1.0	0.0	765	.
FloRun™ '107'	10/18	**3777**	69.0	6.0	1.0	0.0	788	.
Florida-07	10/18	**3763**	69.0	3.0	1.5	0.0	642	.
Georgia Greener	10/18	**3739**	71.5	4.5	0.5	0.0	713	.
GA 082549[1,2]	10/18	3648	70.0	5.5	1.0	0.0	905	.
TUFRunner™ -'727'	10/18	3539	68.5	5.0	1.0	0.0	663	.
GA 072523[1]	10/18	3510	69.0	5.0	0.5	0.0	737	.
GA 072515[1]	10/18	3457	72.0	4.5	0.0	0.0	799	.
Georgia-09B	10/18	3337	67.5	7.0	1.0	0.0	804	.
Tifguard	10/18	3237	69.5	4.0	1.0	0.0	663	.
GA 082546[1]	10/18	3071	67.5	6.5	0.5	0.0	974	.
Georgia-10T	10/18	3045	73.0	3.5	1.0	0.0	690	.
Georgia-02C	10/18	3019	68.0	6.0	0.5	0.0	775	.
GA 082550-MS10[1,2]	10/18	3010	71.0	5.0	1.0	0.0	1052	.
Georgia Green	10/18	2949	71.5	4.5	1.0	0.0	835	.
GA 082524[1]	10/18	2683	70.5	5.5	1.0	0.0	907	.
Average	10/18	3501	70.0	4.9	0.8	0.0	791.0	.
LSD at 10% Level		468	3.7	N.S.[3]	1.0	-	87	
C.V. %		14.6	-	-	-	-	-	
Virginia Types								
Georgia-08V	10/18	**3643**	66.5	3.0	3.0	43.0	507	.
Bailey	10/06	**3494**	63.5	4.5	1.5	28.5	501	.
Georgia-11J	10/18	**3286**	67.5	4.5	1.5	43.0	439	.
Sugg	10/06	3117	61.5	4.5	2.0	34.0	505	.
CHAMPS	10/06	3107	60.5	5.5	2.0	31.0	485	.
Gregory	10/06	2715	59.5	4.0	2.0	31.5	585	.
Perry	10/06	2652	64.0	4.5	2.0	31.0	592	.
Florida Fancy	10/18	2448	64.5	3.0	2.5	20.0	528	.
Titan	10/06	2380	56.0	5.5	2.0	25.0	532	.
Average	10/10	2983	62.6	4.3	2.1	31.9	519	.
LSD at 10% Level		468	3.7	N.S.	1.0	1.4	87	
C.V. %		14.6	-	-	-	-	-	

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Nonirrigated (Continued)

1. Advanced Georgia breeding line.
2. Spanish Type.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

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

Planted:	May 16, 2012.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.
Soil Test:	P = Very High, K = Very High, and pH = 6.6.
Soil Type:	Greenville sandy loam.
Previous Crop:	Wheat.
Management:	Disked, moldboard plowed, and rototilled; Strongarm, Sonalan, Dual, Parazone, and Basagran used for weed control; Thimet 20G and Lorsban used for insect control; Bravo, Folicur, Artisan, Abound, and Provost used for fungal control.

Test conducted by A. E. Coy, R. Pines, R. Brooke, D. Dunn, D. Pearce, and W. Jones.

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia Greener	10/04	**5470**	75.5	3.5	0.0	0.0	754	.
GA 072716[1]	10/15	**5430**	75.5	3.0	0.0	0.0	878	.
TUFRunner™ -'727'	10/04	**5383**	73.0	3.0	0.0	0.0	707	.
Georgia-09B	10/04	**5380**	73.5	3.5	0.0	0.0	728	.
Georgia-06G	10/04	**5285**	76.0	2.0	0.0	0.0	702	.
Georgia-12Y	10/15	**5212**	75.0	2.0	0.0	0.0	791	.
GA 072523[1]	10/04	**5132**	75.0	2.5	0.0	0.0	624	.
Georgia-07W	10/15	**5084**	76.5	2.0	0.5	0.0	727	.
Georgia Green	10/04	4960	73.0	4.0	0.0	0.0	765	.
FloRun™ '107'	10/15	4944	74.0	4.0	0.0	0.0	817	.
GA 082522[1]	10/15	4919	77.5	3.5	0.0	0.0	838	.
GA 072514[1]	10/04	4907	76.5	2.0	0.0	0.0	790	.
Florida-07	10/15	4822	73.5	3.0	0.0	0.0	718	.
GA 082524[1]	10/15	4748	75.5	4.5	0.5	0.0	810	.
GA 082546[1]	10/15	4745	74.0	4.5	0.0	0.0	843	.
GA 072515[1]	10/04	4717	74.0	3.5	0.0	0.0	700	.
Tifguard	10/04	4690	73.0	4.0	0.0	0.0	682	.
Georgia-10T	10/15	4657	77.0	2.5	0.0	0.0	741	.
GA 082550-MS10[1,2]	10/15	4314	75.0	3.5	0.0	0.0	898	.
GA 082549[1,2]	10/15	4212	74.0	4.5	0.0	0.0	891	.
Georgia-02C	10/15	4155	76.5	3.0	0.0	0.0	846	.
Average	10/10	4913	74.9	3.2	0.0	0.0	773	.
LSD at 10% Level		439	2.1	1.0	N.S.[3]	-	56	
C.V. %		9.2	-	-	-	-	-	
Virginia Types								
Georgia-08V	10/04	**6696**	73.5	1.5	0.0	39.5	505	.
Georgia-11J	10/15	6080	74.5	1.0	0.0	55.0	394	.
Bailey	09/28	5405	71.0	2.0	0.0	31.0	546	.
Gregory	09/28	5218	68.0	1.0	1.0	46.5	480	.
Sugg	09/28	5109	69.5	2.0	0.5	33.5	534	.
Florida Fancy	10/04	4881	68.5	3.0	0.5	25.0	588	.
Perry	09/28	4710	69.5	2.0	1.0	29.5	566	.
CHAMPS	09/28	4461	68.5	2.0	1.0	32.5	499	.
Titan	09/28	3717	62.5	2.5	1.5	40.0	517	.
Average	10/01	5142	69.5	1.9	0.6	36.9	514	.
LSD at 10% Level		439	2.1	1.0	N.S.	3.7	56	
C.V. %		9.2	-	-	-	-	-	

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. Spanish Type.
3. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

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

Planted:	May 23, 2012.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O/acre.
Soil Test:	P = Very High, K = Very High, and pH = 5.7.
Soil Type:	Tifton sandy loam.
Previous Crop:	Corn.
Management:	Disked and moldboard plowed; Prowl, Valor, and Gramoxone used for weed control; Headline, Folicur, Convoy, and Chlorothalonil used for fungal control; irrigated 6.25 inches.

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

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed	Fancy
		lb/A	%	%	%	%	no./lb	%
Runner Types								
Georgia-06G	10/14	**5255**	76.5	1.5	0.0	0.0	651	.
Georgia-12Y	10/20	**4993**	75.5	2.0	0.0	0.0	693	.
TUFRunner™ -'727'	10/14	**4914**	74.5	3.0	0.0	0.0	698	.
Georgia-02C	10/20	**4835**	76.5	3.5	0.0	0.0	722	.
Georgia Green	10/14	4772	74.5	3.0	0.0	0.0	788	.
Georgia-07W	10/20	4761	77.0	2.5	0.0	0.0	671	.
GA 072716[1]	10/20	4742	76.5	2.5	0.0	0.0	805	.
GA 082524[1]	10/20	4734	76.5	3.5	0.0	0.0	796	.
GA 072523[1]	10/14	4660	77.0	2.0	0.0	0.0	693	.
Georgia Greener	10/14	4653	77.0	2.5	0.0	0.0	711	.
Florida-07	10/20	4644	73.5	3.5	0.0	0.0	664	.
GA 072515[1]	10/14	4634	75.5	4.0	0.0	0.0	770	.
Georgia-09B	10/14	4617	76.0	2.5	0.0	0.0	774	.
GA 082522[1]	10/20	4607	76.5	3.5	0.0	0.0	828	.
Georgia-10T	10/20	4439	79.0	2.0	0.0	0.0	745	.
GA 072514[1]	10/14	4260	77.5	2.0	0.0	0.0	786	.
FloRun™ '107'	10/20	4205	73.5	5.0	0.0	0.0	727	.
GA 082549[1,2]	10/20	4098	76.0	3.5	0.0	0.0	811	.
GA 082546[1]	10/20	3787	76.0	3.5	0.0	0.0	821	.
Tifguard	10/14	3774	75.0	3.0	0.0	0.0	710	.
GA 082550-MS10[1,2]	10/20	3739	75.0	4.5	0.0	0.0	910	.
Average	10/17	4530	76.0	3.0	0.0	0.0	751	.
LSD at 10% Level		459	2.5	1.2	-	-	59	
C.V. %		10.3	-	-	-	-	-	
Virginia Types								
Georgia-11J	10/20	**5729**	75.0	1.5	0.0	51.0	413	.
Bailey	10/04	**5522**	72.0	2.0	0.0	33.0	510	.
Florida Fancy	10/14	5238	72.5	1.5	0.5	36.0	507	.
Georgia-08V	10/14	5237	76.0	2.0	0.5	44.0	537	.
Sugg	10/04	5032	69.0	3.0	0.5	34.0	500	.
Gregory	10/04	4875	68.5	2.5	0.0	42.0	486	.
CHAMPS	10/04	4585	69.5	3.5	0.5	25.0	525	.
Perry	10/04	4436	71.0	2.0	0.5	27.5	552	.
Titan	10/04	3560	66.0	3.0	0.5	30.0	498	.
Average	10/08	4913	71.1	2.3	0.3	35.8	503	.
LSD at 10% Level		459	2.5	1.2	-	4.5	59	
C.V. %		10.3	-	-	-	-	-	

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2012, Nonirrigated (Continued)

1. Advanced Georgia breeding line.
2. Spanish Type.

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

Planted:	May 22, 2012.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O/acre.
Soil Test:	P = High, K = Very High, and pH = 6.0.
Soil Type:	Dothan loamy sand.
Previous Crop:	Cotton.
Management:	Disked and moldboard plowed; Prowl, Valor, and Gramoxone used for weed control; Headline, Folicur, Convoy, and Chlorothalonil used for fungal control.

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

COTTON

Bainbridge, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1922**	45.1	85.5	1.17	31.7	4.6
DP 1137 B2RF	**1915**	45.1	83.9	1.14	27.4	4.5
DP 1034 B2RF	**1912**	45.5	84.8	1.17	27.5	4.4
GA2009100	**1841**	44.5	84.1	1.15	30.4	4.3
FM1944 GLB2	**1824**	43.4	83.6	1.20	31.4	4.2
PX-4339-CB WRF	**1796**	44.5	84.6	1.19	29.2	4.2
DP 1028 B2RF	**1762**	45.8	84.3	1.15	28.2	4.6
GA2004143	**1757**	44.9	84.0	1.21	33.6	4.4
All-Tex Nitro 44 B2RF	1734	44.1	84.4	1.22	31.6	3.9
DP 1311 B2RF	1691	46.1	83.6	1.15	27.4	4.2
BRS 269	1690	43.2	84.0	1.18	31.3	4.4
BRS293	1679	41.8	85.5	1.19	31.2	4.9
GA2006106	1669	43.0	85.3	1.22	30.7	4.1
PX 4339-06 WRF	1661	44.7	84.5	1.19	29.0	4.1
DP 1219 B2RF	1658	44.4	84.6	1.18	31.5	4.5
BX1346GLB2	1645	45.0	84.7	1.18	30.9	4.1
All-Tex 7A21	1627	43.1	85.3	1.24	29.7	4.1
AM 1550 B2RF	1610	42.8	83.1	1.14	29.3	4.1
BRS 335	1583	41.6	84.2	1.18	29.8	4.2
DP 0912 B2RF	1567	43.0	83.5	1.09	29.6	4.7
All-Tex LA122	1565	44.1	84.6	1.15	30.6	4.4
DG2595 B2RF	1550	42.3	84.4	1.15	28.2	4.5
SSG AU 222	1544	44.4	84.5	1.21	28.6	4.4
NG 1511 B2RF	1536	45.3	84.7	1.13	28.6	4.6
SSG CT Linwood	1527	43.1	83.8	1.09	29.5	4.8
DP 1321 B2RF	1516	44.4	84.1	1.14	28.8	4.5
PHY 375 WRF	1514	43.5	83.4	1.13	28.4	4.0
Dyna-Gro 2570B2RF	1477	43.3	83.9	1.13	29.7	4.6
GA2008057	1419	41.9	86.3	1.22	32.7	4.2
BRS286	1410	40.8	82.9	1.13	31.7	4.4
PHY 367 WRF	1360	42.9	83.6	1.15	29.4	4.1
SSG HQ 210 CT	1325	41.4	84.2	1.14	31.6	4.4
Average	1634	43.7	84.3	1.16	30.0	4.3
LSD 0.10	184	1.1	N.S.[1]	0.04	2.4	0.4
CV %	9.6	2.1	1.1	1.91	4.8	4.8

Bainbridge, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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, 2012.
Harvested: October 23, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Bonnaeu blanton loamy sand.
Soil Test: P = High, K = Medium, and pH = 5.9.
Fertilization: 35 lb N, 64 lb P_2O_5, 0 lb K_2O, and 1900 lb/acre limestone.
Sidedress: 127 lb N and 123 lb K_2O/acre.
Previous Crop: Corn.
Management: Disked and subsoiled; Prowl, MSMA, Cotoran, Select, and Twister used for weed control; Temik, Belt, Wangler, Tracer, and Tundra used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.65	1.60	3.20	0	0	0
Rainfall (in):	3.33	4.68	5.00	7.35	3.95	1.15

Trials conducted by A. Coy, R. Brooke, D. Dunn, M. May, and L. Thompson.

Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2535**	44.0	85.2	1.19	29.5	4.1
DP 1137 B2RF	**2384**	44.0	84.1	1.17	26.7	4.1
PX 4339-06 WRF	**2357**	43.3	84.3	1.21	27.8	4.1
FM1944 GLB2	2296	39.5	85.2	1.25	31.1	3.5
DP 1028 B2RF	2249	44.9	85.3	1.19	27.2	4.1
DG2595 B2RF	2204	41.9	83.2	1.20	28.4	4.1
DP 1311 B3RF	2153	43.7	84.9	1.20	27.3	3.9
PX-4339-CB WRF	2145	41.2	84.9	1.21	26.3	3.8
GA2009100	2126	43.1	85.2	1.22	30.5	4.0
DP 1219 B2RF	2103	42.3	84.7	1.25	33.0	3.9
GA2004143	2099	43.0	85.7	1.24	31.6	4.3
DP 0912 B2RF	2086	40.8	84.9	1.17	29.2	4.6
BX1346GLB2	2073	41.9	83.9	1.16	28.9	3.9
BRS 269	2070	40.7	85.6	1.22	30.9	4.0
DP 1321 B2RF	2063	42.0	84.8	1.19	29.6	4.2
PHY 375 WRF	2061	42.2	84.1	1.17	28.6	3.8
NG 1511 B2RF	2060	44.0	84.1	1.16	26.7	4.1
All-Tex Nitro 44 B2RF	2058	41.7	85.2	1.26	30.2	3.5
DP 1034 B2RF	2056	43.8	85.5	1.19	27.2	4.1
SSG CT Linwood	2047	43.0	85.3	1.15	30.8	4.9
GA2008057	2047	41.5	84.8	1.23	30.1	4.0
SSG AU 222	2046	42.7	85.3	1.25	28.0	4.2
All-Tex 7A21	2045	43.0	86.1	1.25	29.5	4.1
Dyna-Gro 2570B2RF	2026	40.4	85.3	1.20	29.2	4.2
GA2006106	2017	38.7	85.3	1.23	30.9	4.1
BRS293	1985	39.9	83.8	1.19	30.5	4.4
BRS 335	1972	44.5	85.2	1.23	29.8	3.8
All-Tex LA122	1920	44.3	85.3	1.19	26.4	4.0
SSG HQ 210 CT	1829	40.4	84.7	1.19	31.1	4.2
AM 1550 B2RF	1809	40.0	83.8	1.16	27.4	3.9
PHY 367 WRF	1781	40.9	83.5	1.19	28.5	4.0
BRS286	1749	39.9	85.9	1.21	31.6	4.2
Average	2077	42.1	84.8	1.20	29.2	4.0
LSD 0.10	223	1.4	N.S.[1]	0.04	2.2	0.4
CV %	9.2	2.8	1.1	1.82	4.4	6.5

Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 8, 2012.
Harvested: October 25, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.9.
Fertilization: 30 lb N, 7 lb P_2O_5, and 30 lb K_2O/acre. Sidedress: 70 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Prowl, Reflex, MSMA, Diuron, Envoke, and Volunteer used for weed control; Temik, Bidrin, Belt, Asana, and Deltamethrin used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.60	0.80	4.00	0	0	0
Rainfall (in):	6.15	5.83	3.50	8.10	2.00	0

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

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1137 B2RF	**2316**	45.4	84.4	1.15	26.4	4.1
DP 1034 B2RF	**2171**	45.0	84.5	1.18	25.4	3.9
DP 1028 B2RF	**2144**	45.2	84.8	1.18	25.3	3.6
NG 1511 B2RF	2105	43.8	84.5	1.16	26.1	3.7
All-Tex LA122	2100	44.1	83.1	1.18	24.5	3.5
GA2004143	2079	43.1	83.6	1.23	30.3	3.7
PHY 499 WRF	2065	44.4	84.7	1.16	27.4	4.2
DP 1219 B2RF	2036	41.5	84.0	1.20	28.3	3.8
PX-4339-CB WRF	2024	42.4	84.6	1.21	27.7	4.0
PX 4339-06 WRF	2011	41.7	83.8	1.19	26.1	3.6
DP 1311 B2RF	1955	43.8	83.8	1.17	25.9	3.7
DP 0912 B2RF	1951	41.0	82.9	1.10	26.8	4.1
BX1346GLB2	1947	41.4	83.7	1.14	27.8	3.8
All-Tex 7A21	1942	41.8	84.3	1.18	25.7	3.9
SSG AU 222	1939	40.8	83.5	1.18	27.0	3.9
FM1944 GLB2	1909	39.7	85.2	1.25	31.5	4.0
DG2595 B2RF	1908	40.9	82.5	1.17	26.6	4.3
All-Tex Nitro 44 B2RF	1894	41.3	85.6	1.24	30.9	3.8
GA2006106	1832	39.6	83.8	1.22	29.1	3.9
DP 1321 B2RF	1791	41.7	84.0	1.15	26.2	3.6
GA2009100	1781	42.9	84.8	1.21	28.6	3.6
AM 1550 B2RF	1776	40.2	83.3	1.10	24.6	3.8
PHY 375 WRF	1746	42.3	82.6	1.15	26.0	3.5
SSG CT Linwood	1717	42.3	84.2	1.12	27.7	4.4
PHY 367 WRF	1710	37.9	83.7	1.14	27.1	3.7
BRS293	1696	40.2	84.6	1.20	27.2	4.0
SSG HQ 210 CT	1660	42.7	84.1	1.19	27.1	3.9
Dyna-Gro 2570B2RF	1655	35.4	84.4	1.18	27.8	4.0
GA2008057	1638	40.7	84.9	1.24	30.1	3.7
BRS286	1595	39.6	83.9	1.15	28.1	4.1
Average	1903	41.8	84.0	1.18	27.3	3.8
LSD 0.10	184	1.8	N.S.[1]	0.05	2.2	N.S.
CV %	8.2	3.7	1.2	2.59	4.7	7.8

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 2, 2012.
Harvested: October 16, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Low, K = High, and pH = 6.3.
Fertilization: 21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidren,Mustang Max, Baythroid, and Discipline used for insect control; Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	1.00	4.00	4.00	0	0
Rainfall (in):	1..36	3.49	3.91	2.28	3.64	1.50

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1219 B2RF	**2143**	40.0	82.9	1.20	31.1	4.4
DP 1137 B2RF	**2091**	41.4	84.4	1.16	25.9	4.7
PHY 499 WRF	**2067**	41.0	83.5	1.16	29.3	4.8
FM1944 GLB2	**2036**	38.0	83.8	1.22	30.1	4.5
DP 1034 B2RF	**2030**	41.2	84.0	1.16	27.4	4.7
GA2009100	**2017**	39.8	84.3	1.22	31.0	4.1
DP 1028 B2RF	1913	39.1	83.5	1.16	26.6	4.4
DP 1311 B2RF	1895	41.7	83.4	1.18	26.6	4.3
All-Tex Nitro 44 B2RF	1885	37.8	84.7	1.25	32.1	3.9
DG2595 B2RF	1882	38.1	83.8	1.18	29.6	4.9
All-Tex LA122	1872	39.4	84.2	1.18	26.8	4.1
GA2006106	1836	37.4	84.0	1.22	29.9	4.3
BX1346GLB2	1833	38.3	83.5	1.14	27.5	4.4
SSG AU 222	1831	37.8	83.4	1.19	27.6	4.3
NG 1511 B2RF	1825	39.1	83.2	1.11	27.8	4.8
PX-4339-CB WRF	1823	39.1	83.9	1.21	27.3	4.5
PX 4339-06 WRF	1816	39.0	83.4	1.18	28.7	4.3
GA2004143	1798	41.2	84.6	1.20	29.9	4.8
PHY 375 WRF	1796	39.9	83.0	1.16	27.8	4.4
SSG CT Linwood	1774	39.0	83.7	1.15	30.3	4.8
All-Tex 7A21	1759	39.0	83.8	1.20	28.6	4.2
BRS293	1752	37.5	83.2	1.16	30.7	4.6
DP 0912 B2RF	1743	37.4	82.4	1.13	27.9	5.0
Dyna-Gro 2570B2RF	1698	38.4	83.0	1.14	29.0	4.8
BRS286	1683	37.2	83.5	1.17	29.9	4.6
DP 1321 B2RF	1668	39.1	83.1	1.14	27.4	4.9
AM 1550 B2RF	1604	37.8	82.9	1.14	25.8	4.7
SSG HQ 210 CT	1587	36.4	82.4	1.16	27.8	4.5
GA2008057	1582	36.5	83.9	1.23	29.8	4.3
PHY 367 WRF	1539	37.7	83.0	1.16	28.1	4.2
Average	1826	38.9	83.5	1.17	28.6	4.5
LSD 0.10	160	0.8	1.0	0.03	1.6	0.3
CV %	7.4	1.8	0.7	1.35	3.2	3.9

* To determine percent lint fractions and quality parameters plot seed cotton was processed through the Micro-Gin located on the UGA Tifton Campus.

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

Planted: April 30, 2012.
Harvested: September 28, 2012.
Seeding Rate: 4 seeds/foot in 36' rows.
Soil Type: Tifton loam.
Soil Test: P = Medium, K = Medium, and pH = 5.9.
Fertilization: 18 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre. Sidedress: 80 lb N and 60 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked, ripped, and bedded; Prowl, Cotoran, and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.80	0.50	0.80	3.00	0	0	0
Rainfall (in):	1.13	3.20	4.61	3.20	9.95	2.21	2.48

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and L. Thompson.

Yield Summary of 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 1137 B2RF	**1915** [2]	**2384** [2]	**2316** [1]	**2091** [2]	**2177** [1]	44.0	84.2	1.15	26.6	4.3
PHY 499 WRF	**1922** [1]	**2535** [1]	2065 [7]	**2067** [3]	**2147** [2]	43.6	84.7	1.17	29.5	4.4
DP 1034 B2RF	**1911** [3]	2056 [18]	**2171** [2]	**2030** [5]	2042 [3]	43.9	84.7	1.17	26.9	4.3
DP 1028 B2RF	**1762** [7]	2249 [5]	**2144** [3]	1913 [7]	2017 [4]	43.8	84.5	1.17	26.8	4.2
FM1944 GLB2	**1824** [5]	2296 [4]	1909 [16]	**2036** [4]	2016 [5]	40.2	84.4	1.23	31.0	4.0
DP 1219 B2RF	1658 [14]	2103 [10]	2036 [8]	**2143** [1]	1985 [6]	42.0	84.0	1.21	30.9	4.1
PX 4339-06 WRF	1661 [13]	**2357** [3]	2011 [10]	1816 [17]	1961 [7]	42.2	84	1.19	27.9	4.0
PX-4339-CB WRF	**1796** [6]	2145 [8]	2024 [9]	1823 [16]	1947 [8]	41.8	84.5	1.21	27.6	4.1
GA2009100	**1841** [4]	2126 [9]	1781 [21]	**2017** [6]	1941 [9]	42.6	84.6	1.20	30.1	4.0
GA2004143	**1757** [8]	2099 [11]	2079 [6]	1798 [18]	1933 [10]	43.1	84.5	1.22	31.3	4.3
DP 1311B2RF	1691 [10]	2153 [7]	1955 [11]	1895 [8]	1924 [11]	43.8	83.9	1.17	26.8	4.0
All-Tex Nitro 44 B2RF	1734 [9]	2058 [17]	1894 [18]	1885 [9]	1893 [12]	41.2	85.0	1.24	31.2	3.8
DG2595 B2RF	1550 [20]	2204 [6]	1908 [17]	1882 [10]	1886 [13]	40.8	83.5	1.17	28.2	4.4
NG 1511 B2RF	1536 [22]	2060 [16]	2105 [4]	1825 [15]	1881 [14]	43.0	84.1	1.14	27.3	4.3
BX1346GLB2	1645 [15]	2073 [13]	1947 [13]	1833 [13]	1874 [15]	41.6	83.9	1.15	28.8	4.0
All-Tex LA122	1565 [19]	1920 [25]	2100 [5]	1872 [11]	1864 [16]	43.0	84.3	1.17	27.1	4.0
All-Tex 7A21	1627 [16]	2045 [21]	1942 [14]	1759 [21]	1843 [17]	41.7	84.9	1.22	28.4	4.1
SSG AU 222	1544 [21]	2046 [20]	1939 [15]	1831 [14]	1840 [18]	41.4	84.2	1.21	27.8	4.2
GA2006106	1669 [12]	2017 [23]	1832 [19]	1836 [12]	1838 [19]	39.7	84.6	1.22	30.1	4.1
DP 0912 B2RF	1567 [18]	2086 [12]	1951 [12]	1743 [23]	1837 [20]	40.6	83.4	1.12	28.4	4.6
PHY 375 WRF	1514 [25]	2061 [15]	1746 [23]	1796 [19]	1779 [21]	42.0	83.3	1.15	27.7	3.9
BRS293	1679 [11]	1985 [24]	1696 [26]	1752 [22]	1778 [22]	39.8	84.2	1.18	29.9	4.5
SSG CT Linwood	1527 [23]	2047 [19T]	1717 [24]	1774 [20]	1766 [23]	41.8	84.2	1.12	29.5	4.7
DP 1321B2RF	1516 [24]	2063 [14]	1791 [20]	1668 [26]	1760 [24]	41.8	84.0	1.15	28.0	4.3
Dyna-Gro 2570B2RF	1477 [26]	2026 [22]	1655 [28]	1698 [24]	1714 [25]	39.4	84.1	1.16	28.9	4.4
AM 1550 B2RF	1609 [17]	1809 [27]	1776 [22]	1604 [27]	1700 [26]	40.2	83.3	1.13	26.8	4.1
GA2008057	1419 [27]	2047 [19T]	1638 [29]	1582 [29]	1671 [27]	40.1	85.0	1.23	30.7	4.0
BRS286	1410 [28]	1749 [29]	1595 [30]	1683 [25]	1609 [28]	39.4	84.0	1.16	30.3	4.3
SSG HQ 210 CT	1325 [30]	1829 [26]	1660 [27]	1587 [28]	1600 [29]	40.2	83.8	1.17	29.4	4.2
PHY 367 WRF	1360 [29]	1781 [28]	1710 [25]	1539 [30]	1598 [30]	39.9	83.4	1.16	28.2	4.0
Average	1634	2080	1903	1826	1861	41.6	84.2	1.18	28.7	4.2
LSD 0.10	184	223	184	160	110	1.1	0.7	0.02	1.1	0.2
CV %	9.6	9.2	8.2	7.4	8.5	2.6	1.1	1.99	4.4	5.8

[a] Superscripts indicate ranking at that location.

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

Two-Year Summary of Earlier Maturity Cotton Varieties at Four Locations[a], 2011-2012, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2143**	45.0	84.8	1.16	30.9	4.5
DP 1028 B2RF	2046	45.0	84.8	1.16	27.7	4.5
NG 1511 B2RF	1998	44.4	84.2	1.15	28.6	4.5
DP 0912 B2RF	1996	42.1	83.7	1.13	29.0	4.6
GA2004143	1920	43.6	84.9	1.22	32.6	4.3
All-Tex 7A21	1870	43.0	84.8	1.20	29.7	4.3
All-Tex Nitro 44 B2RF	1866	41.6	85.0	1.24	31.7	3.8
PHY 375 WRF	1865	43.1	83.8	1.15	28.4	4.1
All-Tex LA122	1845	43.6	84.5	1.17	28.1	4.2
GA2006106	1827	40.9	84.7	1.22	31.7	4.3
Dyna-Gro 2570B2RF	1816	40.9	84.4	1.16	29.6	4.4
BRS293	1781	40.8	84.1	1.17	32.0	4.5
AM 1550 B2RF	1779	41.2	83.8	1.14	27.5	4.3
PHY 367 WRF	1758	41.5	84.0	1.17	29.0	4.2
SSG CT Linwood	1690	42.2	84.5	1.12	31.6	4.9
SSG HQ 210 CT	1678	40.4	83.6	1.16	30.5	4.4
BRS286	1677	40.4	83.7	1.15	31.0	4.4
GA2008057	1586	40.6	85.1	1.22	32.1	4.1
Average	1841	42.2	84.4	1.17	30.1	4.3
LSD 0.10	72	0.4	0.5	0.01	0.8	0.1
CV %	9.5	2.5	1.0	1.96	4.6	5.4

[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, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1050 B2RF	**2025**	45.9	83.3	1.14	26.7	4.4
DP 1034 B2RF	**1995**	45.8	84.2	1.15	25.3	4.4
DP 1048 B2RF	**1825**	44.8	84.9	1.19	25.9	4.5
NGX0012B2RF	1795	45.7	85.6	1.17	26.0	4.4
PX 5322-11 WRF	1794	43.4	84.4	1.23	27.4	4.1
DP 1137 B2RF	1792	44.7	84.5	1.13	26.4	4.3
CG 3787 B2RF	1765	45.6	84.2	1.15	26.9	4.5
PHY 499 WRF	1718	44.5	84.8	1.16	28.3	4.6
DG2610 B2RF	1689	44.7	84.1	1.16	27.3	4.3
All-Tex Nitro 44 B2RF	1613	43.7	83.9	1.22	29.3	3.9
DP 1252 B2RF	1600	46.9	83.9	1.14	27.2	4.4
BX1348GLB2	1588	42.3	84.2	1.21	28.8	4.4
NG 1511 B2RF	1577	45.3	84.0	1.12	28.7	4.2
DP 1359 B2RF	1538	44.9	83.2	1.17	28.3	4.2
GA2004230	1510	42.0	85.5	1.26	29.7	4.2
MON 11R136B2R2	1490	42.6	85.6	1.25	29.0	4.2
GA2007095	1485	43.4	84.9	1.16	27.8	4.1
PHY 565 WRF	1367	44.1	84.4	1.17	29.0	4.2
PHY 375 WRF	1357	43.5	83.5	1.14	27.4	3.7
SSG CT310 HQ	1321	40.3	83.2	1.13	30.8	4.1
PHY 440 W	1318	41.3	84.6	1.16	29.3	4.1
GA2008083	1221	42.2	83.5	1.16	28.4	4.3
MON 11R154B2R2	1161	44.6	82.7	1.17	30.3	4.2
Average	1589	44.0	84.2	1.17	28.0	4.2
LSD 0.10	222	0.8	N.S.[1]	0.04	2.1	0.3
CV %	11.5	1.6	1.0	1.84	4.4	4.2

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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, 2012.
Harvested: October 23, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Bonnaeu blanton loamy sand.
Soil Test: P = High, K = Medium, and pH = 5.9.
Fertilization: 35 lb N, 64 lb P_2O_5, 0 lb K_2O, and 1900 lb/acre limestone.
Sidedress: 127 lb N and 123 lb K_2O/acre.
Previous Crop: Corn.
Management: Disked and subsoiled; Prowl, MSMA, Cotoran, Select, and Twister used for weed control; Temik, Belt, Wangler, Tracer, and Tundra used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.65	1.60	3.20	0	0	0
Rainfall (in):	3.33	4.68	5.00	7.35	3.95	1.15

Trials conducted by A. Coy, R. Brooke, D. Dunn, M. May, and L. Thompson.

Midville, Georgia:
Later Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2476**	44.0	85.7	1.22	27.5	4.2
DP 1252 B2RF	**2411**	45.1	85.1	1.18	26.3	4.3
DP 1137 B2RF	**2403**	44.7	84.5	1.17	25.3	4.2
PX 5322-11 WRF	**2303**	41.9	85.2	1.26	27.3	3.7
NGX0012B2RF	**2298**	44.5	85.0	1.19	25.5	4.1
CG 3787 B2RF	2280	44.6	85.2	1.19	25.8	4.0
DP 1048 B2RF	2238	44.3	84.5	1.21	26.0	4.0
DP 1034 B2RF	2204	44.9	85.7	1.19	26.6	4.0
BX1348GLB2	2193	40.3	86.1	1.28	29.2	3.9
DG2610 B2RF	2165	44.7	85.5	1.22	26.9	4.1
GA2004230	2114	41.0	85.8	1.28	28.7	3.7
DP 1050 B2RF	2107	43.5	84.8	1.19	27.2	4.0
GA2007095	2065	40.0	84.6	1.23	28.5	3.9
GA2008083	2062	43.2	84.1	1.24	29.6	4.0
PHY 375 WRF	2016	42.3	84.0	1.18	27.9	3.5
MON 11R136B2R2	1988	40.8	86.6	1.27	30.0	3.8
All-Tex Nitro 44 B2RF	1986	40.4	85.3	1.28	30.8	3.4
DP 1359 B2RF	1985	43.1	83.9	1.22	30.7	4.1
NG 1511 B2RF	1972	43.2	84.7	1.14	27.4	4.1
PHY 440 W	1911	40.7	84.5	1.17	27.8	3.9
PHY 565 WRF	1892	40.3	84.7	1.21	29.5	3.8
MON 11R154B2R2	1727	41.8	82.3	1.21	31.6	3.6
SSG CT310 HQ	1693	38.4	84.5	1.18	32.7	3.8
Average	2108	42.5	84.9	1.21	28.2	3.9
LSD 0.10	188	1.0	N.S.[1]	0.03	2.1	0.3
CV %	7.8	1.9	1.3	1.47	4.2	5.1

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 8, 2012.
Harvested: October 25, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.9.
Fertilization: 30 lb N, 7 lb P_2O_5, and 30 lb K_2O/acre. Sidedress: 70 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Prowl, Reflex, MSMA, Diuron, Envoke, and Volunteer used for weed control; Temik, Bidrin, Belt, Asana, and Deltamethrin used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.60	0.80	4.00	0	0	0
Rainfall (in):	6.15	5.83	3.50	8.10	2.00	0

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

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1252 B2RF	**2142**	46.4	84.4	1.17	26.0	3.7
DG2610 B2RF	**2137**	44.4	83.8	1.18	27.2	3.7
PHY 499 WRF	**2111**	44.5	84.8	1.20	30.0	4.1
DP 1137 B2RF	**2054**	45.1	84.1	1.14	26.8	3.9
DP 1034 B2RF	**2027**	45.0	83.5	1.18	27.2	3.8
DP 1048 B2RF	**1992**	43.9	83.7	1.18	26.6	3.9
CG 3787 B2RF	**1962**	44.8	84.1	1.17	26.9	3.9
PX 5322-11 WRF	**1954**	41.0	83.9	1.22	27.0	3.6
NGX0012B2RF	**1945**	45.3	82.7	1.15	26.3	3.5
DP 1050 B2RF	1897	44.5	83.4	1.19	26.0	3.5
PHY 565 WRF	1769	41.5	83.6	1.21	29.3	3.6
PHY 440 W	1721	41.3	84.0	1.19	29.4	4.1
GA2004230	1702	40.3	85.1	1.28	29.1	3.6
All-Tex Nitro 44 B2RF	1665	40.4	85.6	1.28	31.2	3.5
MON 11R136B2R2	1652	41.7	86.1	1.27	30.5	3.6
NG 1511 B2RF	1650	44.0	84.5	1.19	28.5	3.8
BX1348GLB2	1606	41.4	84.8	1.26	29.9	3.6
MON 11R154B2R2	1582	42.2	83.8	1.21	31.7	3.3
GA2007095	1521	42.1	85.5	1.24	29.9	3.9
PHY 375 WRF	1472	41.3	84.0	1.13	26.9	3.6
DP 1359 B2RF	1459	43.7	83.6	1.20	30.2	3.2
GA2008083	1271	42.8	83.3	1.18	30.8	3.6
SSG CT310 HQ	914	37.8	83.6	1.14	31.9	3.9
Average	1748	42.8	84.2	1.20	28.6	3.7
LSD 0.10	225	1.0	N.S.[1]	0.06	1.6	N.S.
CV %	10.9	2.0	1.4	2.71	3.2	6.6

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 2, 2012.
Harvested: October 17, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Low, K = High, and pH = 6.3.
Fertilization: 21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidren,Mustang Max, Baythroid, and Discipline used for insect control; Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	1.00	4.00	4.00	0	0
Rainfall (in):	1..36	3.49	3.91	2.28	3.64	1.50

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.

Tifton, Georgia:
Later Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1252 B2RF	**2183**	43.2	84.1	1.17	26.9	4.3
PX 5322-11 WRF	**2120**	38.4	84.3	1.25	27.0	4.0
NGX0012B2RF	**2105**	42.0	84.4	1.20	26.2	4.4
DP 1050 B2RF	**2105**	41.8	84.1	1.19	26.5	4.3
DG2610 B2RF	**2081**	41.5	84.6	1.19	26.9	4.3
PHY 499 WRF	**2033**	41.4	84.1	1.17	28.8	4.5
DP 1034 B2RF	**2021**	42.1	83.8	1.20	26.2	4.4
DP 1048 B2RF	**2017**	41.5	84.3	1.20	25.7	4.3
CG 3787 B2RF	2005	42.1	84.9	1.20	27.2	4.4
BX1348GLB2	2001	38.7	83.8	1.25	29.1	4.3
MON 11R154B2R2	1908	40.8	84.1	1.21	30.5	4.5
DP 1359 B2RF	1905	40.1	83.0	1.20	30.5	4.4
DP 1137 B2RF	1858	41.5	84.5	1.18	28.0	4.5
All-Tex Nitro 44 B2RF	1839	37.8	85.2	1.27	31.3	3.8
MON 11R136B2R2	1839	38.9	85.7	1.27	31.3	4.1
GA2007095	1835	38.2	83.7	1.19	29.5	4.3
NG 1511 B2RF	1830	39.5	82.9	1.16	28.7	4.4
GA2004230	1822	38.5	84.2	1.26	30.1	3.9
PHY 565 WRF	1762	38.6	84.3	1.20	29.9	4.1
GA2008083	1720	39.6	84.1	1.17	30.8	4.3
PHY 375 WRF	1638	38.8	83.6	1.15	27.9	4.2
PHY 440 W	1637	37.5	84.4	1.18	29.3	4.2
SSG CT310 HQ	1352	34.5	83.4	1.16	33.1	4.2
Average	1896	39.9	84.1	1.20	28.7	4.2
LSD 0.10	171	0.4	N.S.[1]	0.03	1.8	0.2
CV %	7.6	0.9	0.8	1.42	3.6	3.3

* To determine percent lint fractions and quality parameters plot seed cotton was processed through the Micro-Gin located on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 30, 2012.
Harvested: September 28, 2012.
Seeding Rate: 4 seeds/foot in 36' rows.
Soil Type: Tifton loam.
Soil Test: P = Medium, K = Medium, and pH = 5.9.
Fertilization: 18 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre. Sidedress: 80 lb N and 60 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked, ripped and bedded; Prowl, Cotoran and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.80	0.50	0.80	3.00	0	0	0
Rainfall (in):	1.13	3.20	4.61	3.20	9.95	2.21	2.48

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and L. 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
DP 1252 B2RF	1600 [11]	**2411** [2]	**2142** [1]	**2183** [1]	**2084** [1T]	45.4	84.4	1.16	26.6	4.2
PHY 499 WRF	1718 [8]	**2476** [1]	**2111** [3]	**2033** [5]	**2084** [1T]	43.6	84.9	1.19	28.6	4.3
DP 1034 B2RF	**1995** [2]	2204 [8]	**2027** [5]	**2021** [6]	**2062** [2]	44.5	84.3	1.18	26.3	4.1
PX 5322-11 WRF	1794 [5]	**2303** [4]	**1954** [8]	**2120** [2]	**2043** [6]	41.2	84.4	1.24	27.2	3.8
NGX0012B2RF	1795 [4]	**2298** [5]	**1945** [9]	**2105** [3T]	**2036** [4]	44.4	84.4	1.18	26.0	4.1
DP 1050 B2RF	**2025** [1]	2107 [12]	1897 [10]	**2105** [3T]	**2033** [5]	43.9	83.9	1.18	26.6	4.0
DP 1137 B2RF	1792 [6]	**2403** [3]	**2054** [4]	1858 [12]	**2027** [6]	44.0	84.4	1.15	26.6	4.2
DG2610 B2RF	1689 [9]	2165 [10]	**2137** [2]	**2081** [4]	**2018** [7T]	43.8	84.5	1.19	27.1	4.1
DP 1048 B2RF	**1825** [3]	2238 [7]	**1992** [6]	**2017** [7]	**2018** [7T]	43.6	84.3	1.19	26.0	4.2
CG 3787 B2RF	1765 [7]	2280 [6]	**1962** [7]	2005 [8]	**2003** [8]	44.3	84.6	1.17	26.7	4.2
BX1348GLB2	1588 [12]	2193 [9]	1606 [17]	2001 [9]	1847 [9]	40.7	84.7	1.25	29.2	4.0
GA2004230	1510 [15]	2114 [11]	1702 [13]	1822 [16]	1787 [10]	40.5	85.1	1.27	29.4	3.8
All-Tex Nitro 44 B2RF	1613 [10]	1986 [17]	1665 [14]	1839 [13T]	1776 [11]	40.6	85.0	1.26	30.6	3.6
NG 1511 B2RF	1577 [13]	1972 [19]	1650 [16]	1830 [15]	1757 [12]	43.0	84.0	1.15	28.3	4.1
MON 11R136B2R2	1490 [16]	1988 [16]	1652 [15]	1839 [13T]	1742 [13]	41.0	86.0	1.26	30.2	3.9
GA2007095	1485 [17]	2065 [13]	1521 [19]	1835 [14]	1727 [14]	40.9	84.7	1.20	28.9	4.0
DP 1359 B2RF	1538 [14]	1985 [18]	1459 [21]	1905 [11]	1722 [15]	42.9	83.4	1.20	29.9	4.0
PHY 565 WRF	1367 [18]	1892 [21]	1769 [11]	1762 [17]	1697 [16]	41.1	84.2	1.20	29.4	3.9
PHY 440 W	1318 [21]	1911 [20]	1721 [12]	1637 [20]	1647 [17]	40.2	84.4	1.17	28.9	4.1
PHY 375 WRF	1357 [19]	2016 [15]	1472 [20]	1638 [19]	1621 [18]	41.5	83.7	1.15	27.5	3.7
MON 11R154B2R2	1161 [23]	1727 [22]	1582 [18]	1908 [10]	1594 [19]	42.4	83.2	1.20	31.0	3.9
GA2008083	1221 [22]	2062 [14]	1271 [22]	1720 [18]	1568 [20]	42.0	83.7	1.19	29.9	4.0
SSG CT310 HQ	1321 [20]	1693 [23]	914 [23]	1352 [21]	1320 [21]	37.7	83.7	1.15	32.1	4.0
Average	1589	2108	1748	1896	1835	42.3	84.3	1.19	28.4	4.0
LSD 0.10	222	188	225	171	152	0.8	0.7	0.02	0.8	0.2
CV %	11.5	7.8	10.9	7.6	9.4	1.7	1.2	1.93	3.9	4.8

[a] Superscripts indicate ranking at that location.

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

Two-Year Summary of Later Maturity Cotton Varieties at Four Locations[a], 2010-2012, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2132**	44.1	84.9	1.17	30.5	4.4
DP 1252 B2RF	**2090**	45.8	84.7	1.17	27.9	4.3
DP 1050 B2RF	2058	45.0	84.5	1.18	27.5	4.3
DP 1137 B2RF	2033	44.5	84.7	1.16	27.5	4.4
DP 1048 B2RF	2019	44.0	84.6	1.19	27.3	4.3
DP 1034 B2RF	2015	45.1	84.7	1.18	27.0	4.4
NG 1511 B2RF	1931	43.9	84.4	1.15	29.2	4.4
GA2004230	1823	41.2	84.9	1.25	30.4	4.1
GA2007095	1803	41.4	84.6	1.19	30.1	4.3
PHY 375 WRF	1757	42.6	84.0	1.16	28.4	4.0
PHY 565 WRF	1744	41.6	84.6	1.19	30.7	4.1
GA2008083	1692	43.2	84.1	1.18	30.6	4.3
PHY 440 W	1654	40.7	84.6	1.17	29.8	4.2
Average	1904	43.3	84.6	1.18	29.0	4.3
LSD 0.10	68	0.4	N.S.[1]	0.01	1.6	0.1
CV %	8.7	2.0	0.9	2.04	3.7	5.3

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

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

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

Midville, Georgia:
Cotton Strains Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PX 5403-05WRF	**2327**	42.6	85.8	1.27	31.0	3.5
PX 3122-40 WRF	**2299**	42.7	86.3	1.21	30.6	3.8
All-Tex 9C253 B2RF	**2144**	41.7	84.6	1.18	29.4	4.2
GA2009037	**2140**	42.0	85.4	1.22	28.8	4.4
GA2010098	2056	41.0	84.2	1.24	30.5	3.9
GA2008016	2042	39.4	84.9	1.23	32.6	4.5
GA2009180	2020	43.5	85.9	1.26	32.5	4.3
DG CT12214	2017	41.0	84.5	1.20	26.4	4.0
All-Tex CR103233 B2RF	2003	42.4	83.6	1.22	25.8	3.9
GA2009147	1988	42.5	84.9	1.21	30.6	4.0
GA2009148	1877	42.5	84.9	1.19	31.9	4.7
All-Tex CR106466 B2RF	1755	37.6	81.7	1.18	28.3	3.3
All-Tex 981221501 B2RF	1688	39.4	85.2	1.25	31.4	3.9
Average	2027	41.4	84.7	1.22	30.0	4.0
LSD 0.10	199	1.8	1.7	0.03	1.8	0.5
CV %	8.2	3.5	1.1	1.44	3.4	7.3

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

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

Planted: May 8, 2012.
Harvested: October 25, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.9.
Fertilization: 30 lb N, 7 lb P_2O_5, and 30 lb K_2O/acre. Sidedress: 70 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Prowl, Reflex, MSMA, Diuron, Envoke, and Volunteer used for weed control; Temik, Bidrin, Belt, Asana, and Deltamethrin used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.60	0.80	4.00	0	0	0
Rainfall (in):	6.15	5.83	3.50	8.10	2.00	0

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

Plains, Georgia:
Cotton Strains Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PX 5403-05WRF	**1796**	41.9	84.2	1.20	29.0	3.7
All-Tex 9C253 B2RF	**1623**	42.3	83.4	1.14	28.1	4.2
PX 3122-40 WRF	1536	42.3	84.6	1.22	29.1	3.7
GA2010098	1470	41.0	84.4	1.22	28.4	3.8
All-Tex 981221501 B2RF	1439	41.0	86.4	1.23	30.2	4.0
All-Tex CR103233 B2RF	1427	42.4	82.4	1.19	25.1	3.7
GA2009037	1415	41.4	82.8	1.18	28.7	4.2
DG CT12214	1340	40.2	84.0	1.19	26.7	3.6
GA2008016	1173	39.8	85.2	1.20	32.9	4.1
GA2009180	1165	41.5	84.7	1.22	29.4	3.9
GA2009148	1146	42.4	83.8	1.17	29.2	4.1
All-Tex CR106466 B2RF	1133	37.5	82.4	1.17	25.7	3.3
GA2009147	1075	38.0	82.9	1.21	30.2	3.7
Average	1365	40.9	83.9	1.19	28.7	3.8
LSD 0.10	226	0.7	1.4	N.S.[1]	1.8	0.4
CV %	13.8	1.5	0.9	2.95	1.0	6.4

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

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 2, 2012.
Harvested: October 16, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Low, K = High, and pH = 6.3.
Fertilization: 21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidrin, Mustang Max, Baythroid, and Discipline used for insect control:Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	1.00	4.00	4.00	0	0
Rainfall (in):	1.36	3.49	3.91	2.28	3.64	1.50

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.

Tifton, Georgia:
Cotton Strains Performance, 2012, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PX 5403-05WRF	**2438**	44.6	85.3	1.21	32.6	4.6
PX 3122-40 WRF	**2376**	49.6	85.0	1.19	30.6	4.5
GA2010098	**2185**	42.8	84.9	1.22	30.4	4.5
GA2008016	**2152**	42.5	85.2	1.22	33.8	5.1
DG CT12214	2108	42.7	84.6	1.17	28.7	4.4
GA2009037	2073	44.1	84.4	1.19	31.2	5.1
All-Tex 9C253 B2RF	1985	45.0	84.2	1.14	32.1	5.1
GA2009148	1886	43.5	84.4	1.20	32.4	4.9
All-Tex 981221501 B2RF	1885	43.9	86.0	1.23	33.2	4.5
GA2009180	1729	45.0	86.2	1.24	32.5	4.7
All-Tex CR103233 B2RF	1684	45.1	83.4	1.19	29.3	4.5
GA2009147	1650	41.2	84.0	1.20	36.0	4.4
All-Tex CR106466 B2RF	1556	39.2	84.1	1.16	29.5	3.9
Average	1978	43.8	84.7	1.20	31.7	4.6
LSD 0.10	318	1.3	N.S.[1]	0.05	2.6	0.4
CV %	13.5	2.5	1.2	2.21	4.6	4.7

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 30, 2012.
Harvested: September 25, 2012.
Seeding Rate: 4 seeds/foot in 36' rows.
Soil Type: Tifton loam.
Soil Test: P = Medium, K = Medium, and pH = 5.9
Fertilization: 18 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre. Sidedress: 80 lb N and 60 lb K2O/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled and bedded; Prowl, Cotoran and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.80	0.50	0.80	3.00	0	0	0
Rainfall (in):	1.13	3.20	4.61	3.20	9.95	2.21	2.48

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and Larry Thompson.

Yield Summary of Cotton Strains, 2012, Irrigated

Variety	Lint Yield[a] Midville	Plains	Tifton	3-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre				%	%	inches	g/tex	units
PX 5403-05WRF	**2327** [1]	**1796** [1]	**2438** [1]	**2187** [1]	43.0	85.1	1.23	30.9	3.9
PX 3122-40 WRF	**2299** [2]	1536 [3]	**2376** [2]	**2070** [2]	44.9	85.3	1.20	30.1	4.0
All-Tex 9C253 B2RF	**2144** [3]	**1623** [2]	1985 [7]	1918 [3]	43.0	84.0	1.15	29.9	4.5
GA2010098	2056 [5]	1470 [4]	**2185** [3]	1904 [4]	41.6	84.5	1.23	29.7	4.0
GA2009037	**2140** [4]	1415 [7]	2073 [6]	1876 [5]	42.5	84.2	1.20	29.5	4.6
DG CT12214	2017 [8]	1340 [8]	2108 [5]	1822 [6]	41.3	84.4	1.18	27.3	4.0
GA2008016	2042 [6]	1173 [9]	**2152** [4]	1789 [7]	40.6	85.1	1.22	33.1	4.5
All-Tex CR103233 B2RF	2003 [9]	1427 [6]	1684 [11]	1705 [8]	43.3	83.1	1.20	26.7	4.0
All-Tex 981221501 B2RF	1688 [13]	1439 [5]	1885 [9]	1671 [9]	41.4	85.8	1.23	31.6	4.1
GA2009180	2020 [7]	1165 [10]	1729 [10]	1638 [10]	43.3	85.6	1.24	31.5	4.3
GA2009148	1877 [11]	1146 [11]	1886 [8]	1636 [11]	42.8	84.4	1.19	31.2	4.6
GA2009147	1988 [10]	1075 [13]	1650 [12]	1571 [12]	40.6	83.9	1.20	32.2	4.0
All-Tex CR106466 B2RF	1755 [12]	1133 [12]	1556 [13]	1481 [13]	38.1	82.7	1.17	27.8	3.5
Average	2027	1365	1978	1790	42.0	84.5	1.20	30.1	4.1
LSD 0.10	199	226	318	188	1.6	0.9	0.20	1.3	0.2
CV %	8.2	13.8	13.5	11.8	2.6	1.1	2.28	3.9	6.1

[a] Superscripts indicate ranking at that location.

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

Athens, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1439**	48.7	82.3	1.10	29.6	5.6
GA2009100	**1330**	46.4	82.9	1.17	31.9	5.0
BX1346GLB2	1179	46.9	82.2	1.13	28.4	5.4
DP 1137 B2RF	1168	47.2	83.3	1.13	26.8	5.1
PHY 375 WRF	1168	47.4	82.7	1.12	29.0	5.0
DP 1034 B2RF	1167	47.1	82.8	1.13	27.3	5.2
PX-4339-CB WRF	1151	47.4	82.5	1.13	30.1	5.1
DP 1219 B2RF	1150	47.9	82.5	1.15	31.2	5.0
DP 1028 B2RF	1143	46.3	83.9	1.14	29.0	5.0
PHY 367 WRF	1128	46.7	83.1	1.12	29.4	5.2
PX 4339-06 WRF	1105	46.5	83.8	1.15	31.1	4.9
All-Tex LA122	1099	46.4	83.6	1.13	29.5	4.8
DP 1321 B2RF	1089	47.4	82.5	1.14	29.1	5.6
SSG HQ 210 CT	1067	46.6	82.3	1.10	29.5	5.4
AM 1550 B2RF	1056	45.7	82.3	1.11	27.1	4.9
NG 1511 B2RF	1048	48.0	82.6	1.13	29.6	5.4
Dyna-Gro 2570B2RF	1042	45.7	83.1	1.13	27.9	5.3
DP 1311 B2RF	1039	46.3	82.3	1.18	27.0	5.2
DG2595 B2RF	1033	45.6	83.5	1.15	29.3	5.4
DP 0912 B2RF	1026	46.6	81.7	1.09	28.4	5.9
GA2004143	997	47.5	84.3	1.19	32.1	5.2
BRS286	993	42.9	81.6	1.10	32.4	5.1
BRS293	993	43.8	83.0	1.15	32.8	5.5
SSG AU 222	992	45.0	81.1	1.15	28.7	5.5
SSG CT Linwood	984	45.0	82.3	1.10	31.1	5.7
All-Tex Nitro 44 B2RF	973	46.0	83.8	1.19	30.5	4.6
GA2006106	961	45.0	82.2	1.15	31.3	5.2
All-Tex 7A21	960	44.0	83.1	1.14	28.8	5.3
GA2008057	888	43.5	83.1	1.14	34.5	4.9
FM1944 GLB2	865	44.4	82.9	1.17	31.1	5.3
Average	1074	46.1	82.7	1.13	29.8	5.2
LSD 0.10	137	1.0	N.S.[1]	N.S.	2.2	0.3
CV %	10.8	1.9	1.2	2.7	4.3	3.8

Athens, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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, 2012.
Harvested:	October 9, 2012.
Seeding Rate:	4 seeds/foot in 36" rows.
Soil Type:	Cecil sandy clay loam.
Soil Test:	P = Medium, K = Medium, and pH = 6.5.
Fertilization:	80 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop:	Soybeans.
Management:	Disked, subsoiled, and strip tilled; Treflan, Reflex, and Cotoran used for weed control; Temik used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	2.47	1.90	3.63	4.49	2.70	1.91

Trials conducted by J. Gassett, G. Ware, J. Griffin, B. Baerne, and L. Thompson.

Midville, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2118**	42.1	86.2	1.21	30.0	4.7
DP 1137 B2RF	**2024**	43.6	84.7	1.18	28.0	4.3
GA2009100	1921	43.3	85.5	1.23	31.2	4.2
DP 1321 B2RF	1891	42.5	84.6	1.18	29.2	4.6
DP 1219 B2RF	1866	41.5	83.7	1.23	30.1	4.5
All-Tex LA122	1844	41.9	85.4	1.20	27.9	3.9
DP 1034 B2RF	1841	43.4	85.8	1.23	27.4	4.4
DP 1028 B2RF	1829	43.2	85.0	1.18	27.6	4.1
BRS 269	1820	39.2	84.6	1.24	32.2	4.0
PX-4339-CB WRF	1812	41.1	84.7	1.21	28.8	4.2
DP 1311 B2RF	1806	43.6	85.6	1.22	27.6	4.1
SSG CT Linwood	1797	39.8	85.3	1.18	31.6	4.0
FM1944 GLB2	1781	39.4	84.2	1.25	31.7	4.5
GA2006106	1762	39.7	85.6	1.28	31.8	3.9
BRS 335	1761	39.6	84.5	1.21	29.0	4.2
PX 4339-06 WRF	1757	42.2	85.3	1.23	28.7	4.1
NG 1511 B2RF	1750	44.0	84.3	1.17	28.8	4.6
DP 0912 B2RF	1746	40.8	85.1	1.15	28.9	5.0
GA2004143	1715	41.7	85.1	1.21	33.0	4.4
All-Tex Nitro 44 B2RF	1698	40.5	85.2	1.26	31.1	4.0
BX1346GLB2	1681	40.9	84.1	1.19	29.1	4.2
BRS293	1680	38.5	85.8	1.22	30.5	4.6
DG2595 B2RF	1660	41.6	83.8	1.20	28.4	4.4
SSG AU 222	1650	40.6	84.2	1.21	27.4	4.2
PHY 375 WRF	1644	42.0	84.5	1.18	27.6	3.8
BRS286	1610	40.1	85.4	1.22	30.1	4.3
All-Tex 7A21	1596	41.5	85.6	1.25	29.2	4.5
Dyna-Gro 2570B2RF	1561	40.6	84.6	1.20	29.0	4.6
GA2008057	1547	37.7	86.3	1.28	32.4	3.7
AM 1550 B2RF	1484	39.4	83.6	1.17	27.5	4.0
PHY 367 WRF	1484	40.7	85.0	1.21	29.4	4.0
SSG HQ 210 CT	1379	36.7	83.9	1.17	30.9	3.9
Average	1735	41.0	84.9	1.21	29.6	4.2
LSD 0.10	184	0.8	N.S.[1]	0.04	1.7	0.4
CV %	9.0	1.7	1.3	1.92	3.4	5.8

Midville, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 8, 2012.
Harvested: October 26, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 5.9.
Fertilization: 30 lb N, 46 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Prowl, Reflex, MSMA, Diuron, Envoke, and Volunteer used for weed control; Temik, Bidrin, Belt, Asana, and Deltamethrin used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	6.15	5.83	3.50	8.10	2.00	0

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

Plains, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PX 4339-06 WRF	**747**	45.9	83.9	1.12	29.2	5.1
FM1944 GLB2	**689**	46.5	82.7	1.13	30.3	5.1
BRS286	**672**	46.6	83.3	1.13	28.3	4.9
DP 1028 B2RF	**648**	44.1	83.2	1.13	29.7	4.9
SSG CT Linwood	**634**	46.8	83.1	1.11	28.0	4.9
NG 1511 B2RF	**621**	48.5	82.2	1.10	29.0	5.2
BRS293	**619**	45.2	83.6	1.19	29.9	4.7
PX-4339-CB WRF	**616**	45.0	82.6	1.12	27.4	5.0
BX1346GLB2	**606**	46.9	84.2	1.16	29.9	5.0
DP 1321 B2RF	**605**	46.2	82.8	1.11	28.0	5.0
GA2004143	**603**	43.9	85.0	1.20	30.8	4.7
DP 0912 B2RF	**601**	43.7	83.3	1.16	29.0	5.1
PHY 375 WRF	**585**	44.3	83.1	1.15	29.7	4.9
DG2595 B2RF	**576**	47.2	83.0	1.11	29.2	5.1
DP 1034 B2RF	**575**	46.7	83.2	1.17	29.7	4.2
All-Tex LA122	**562**	46.5	84.7	1.17	30.1	5.0
Dyna-Gro 2570B2RF	**556**	45.5	82.4	1.12	29.3	5.1
GA2009100	**556**	46.9	81.3	1.10	29.2	5.5
DP 1219 B2RF	**554**	44.5	82.6	1.14	30.4	4.9
AM 1550 B2RF	**553**	44.8	82.6	1.09	28.8	5.4
PHY 367 WRF	**547**	41.6	84.5	1.18	31.6	4.9
All-Tex 7A21	**546**	44.9	82.7	1.10	30.2	4.9
DP 1311 B2RF	**540**	43.3	81.8	1.12	29.1	5.5
GA2006106	**535**	46.4	81.7	1.10	27.2	5.1
GA2008057	**535**	46.6	82.4	1.14	27.3	5.2
All-Tex Nitro 44 B2RF	**527**	45.0	83.1	1.07	30.4	4.7
SSG AU 222	**524**	44.0	82.2	1.09	28.5	4.8
PHY 499 WRF	**523**	47.8	84.7	1.15	28.4	5.4
SSG HQ 210 CT	**510**	44.4	82.0	1.16	30.2	4.9
DP 1137 B2RF	**491**	44.1	82.4	1.10	27.3	5.2
Average	582	45.5	83.0	1.13	29.2	5.0
LSD 0.10	N.S.[1]	2.4	N.S.	N.S.	N.S.	0.4
CV %	23.5	4.4	1.4	364	8.1	5.0

Plains, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 2, 2012.
Harvested: October 18, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: 21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidrin, Mustang Max, Baythroid, and Discipline used for insect control; Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.36	3.49	3.91	2.28	3.64	1.50

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.

Tifton, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1219 B2RF	**1572**	45.1	85.5	1.20	31.8	5.0
DP 1137 B2RF	**1561**	46.3	85.7	1.14	28.6	4.8
BRS293	**1478**	43.0	83.9	1.13	33.4	5.4
PHY 499 WRF	**1465**	46.5	84.3	1.11	33.5	5.1
DP 1321 B2RF	**1459**	44.4	84.4	1.11	30.3	5.0
DP 1034 B2RF	**1456**	46.8	85.2	1.16	28.5	5.1
DP 1028 B2RF	**1452**	47.4	84.9	1.14	28.9	5.1
Dyna-Gro 2570B2RF	**1421**	44.0	84.3	1.11	30.7	5.2
PX 4339-06 WRF	**1402**	45.0	85.1	1.16	30.4	5.0
FM1944 GLB2	1391	43.4	85.5	1.21	32.8	5.3
GA2004143	1388	45.4	85.6	1.19	34.0	5.0
DP 1311 B2RF	1366	46.2	83.9	1.15	28.2	5.0
All-Tex 7A21	1350	45.2	84.9	1.15	31.3	4.8
DP 0912 B2RF	1343	43.4	84.1	1.08	30.2	5.3
GA2009100	1342	45.6	83.8	1.17	32.8	4.8
BRS 269	1340	41.0	84.8	1.21	36.0	5.0
GA2006106	1340	42.0	85.4	1.18	33.6	4.8
PX-4339-CB WRF	1337	43.9	85.2	1.17	30.5	4.9
All-Tex Nitro 44 B2RF	1269	42.0	85.3	1.26	34.1	4.0
All-Tex LA122	1252	44.7	84.7	1.15	29.6	5.0
DG2595 B2RF	1245	43.5	82.7	1.13	30.5	5.4
SSG HQ 210 CT	1239	41.8	84.0	1.11	31.7	5.1
BRS 335	1213	42.8	86.1	1.19	31.7	3.6
PHY 367 WRF	1187	43.2	83.9	1.12	30.4	4.8
BRS286	1184	42.7	85.2	1.12	32.4	5.0
AM 1550 B2RF	1161	42.6	84.4	1.11	28.6	4.9
NG 1511 B2RF	1145	45.7	84.7	1.12	31.1	5.1
PHY 375 WRF	1134	44.6	83.8	1.13	29.9	4.8
SSG CT Linwood	1129	41.6	85.0	1.12	32.6	5.0
BX1346GLB2	1120	44.7	83.0	1.10	29.7	5.0
GA2008057	1048	40.7	85.2	1.21	32.8	4.3
SSG AU 222	988	42.6	84.7	1.16	29.3	4.8
Average	1306	44.0	84.6	1.15	31.2	4.9
LSD 0.10	179	0.7	1.5	0.04	1.6	0.5
CV %	11.7	1.4	1.0	2.26	3.0	5.5

Tifton, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2012
(Continued)

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

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

Planted: May 1, 2012.
Harvested: September 28, 2012.
Seeding Rate: 4 seeds/foot in 36' rows.
Soil Type: Tifton loam.
Soil Test: P = Medium, K = Medium, and pH = 5.9.
Fertilization: 18 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre. Sidedress: 80 lb N and 60 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled and bedded; Prowl, Cotoran and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.13	3.20	4.61	3.20	9.95	2.21	2.48

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and Larry Thompson.

Yield Summary of Dryland Earlier Maturity Cotton Varieties, 2012

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	**1439** [1]	**2118** [1]	**523** [26]	**1465** [4]	**1386** [1]	46.3	84.4	1.14	30.4	5.2
DP 1137 B2RF	1168 [4T]	**2024** [2]	**491** [28]	**1561** [2]	**1311** [2]	45.3	84.0	1.14	27.7	4.8
GA2009100	**1330** [2]	1921 [3]	**556** [17T]	1342 [15]	**1287** [3]	45.5	83.4	1.16	31.3	4.9
DP 1219 B2RF	1150 [7]	1866 [5]	**554** [18]	**1572** [1]	**1285** [4]	44.8	83.5	1.18	30.8	4.8
DP 1028 B2RF	1143 [8]	1829 [8]	**648** [4]	**1452** [7]	**1268** [5]	45.3	84.2	1.14	28.8	4.7
DP 1321B2RF	1089 [12]	1891 [4]	**605** [10]	**1464** [5]	**1262** [6]	45.1	83.5	1.13	29.1	5.0
DP 1034 B2RF	1167 [5]	1841 [7]	**575** [15]	**1456** [6]	**1260** [7]	46.0	84.2	1.17	28.2	4.7
PX 4339-06 WRF	1105 [10]	1757 [14]	**747** [1]	**1402** [9]	1253 [8]	44.9	84.5	1.17	29.9	4.8
PX-4339-CB WRF	1151 [6]	1812 [9]	**616** [8]	1337 [17]	1229 [9]	44.4	83.7	1.15	29.2	4.8
BRS293	993 [21T]	1680 [20]	**619** [7]	**1478** [3]	1192 [10]	42.6	84.1	1.17	31.6	5.0
All-Tex LA122	1099 [11]	1844 [6]	**562** [16]	1252 [19]	1189 [11]	44.9	84.6	1.16	29.3	4.7
DP 1311B2RF	1039 [17]	1806 [10]	**540** [22]	1366 [12]	1188 [12]	44.8	83.4	1.17	28.0	4.9
FM1944 GLB2	865 [28]	1781 [12]	**689** [2]	1391 [10]	1181 [13]	43.4	83.8	1.19	31.5	5.0
DP 0912 B2RF	1026 [19]	1746 [16]	**601** [12]	1343 [14]	1179 [14]	43.6	83.5	1.12	29.1	5.3
GA2004143	997 [20]	1715 [17]	**603** [11]	1388 [11]	1176 [15]	44.6	85.0	1.20	32.5	4.8
GA2006106	961 [25]	1762 [13]	**535** [23T]	1340 [16]	1150 [16]	43.3	83.7	1.17	30.9	4.7
BX1346GLB2	1179 [3]	1681 [19]	**606** [9]	1120 [28]	1146 [17]	44.9	83.4	1.14	29.2	4.9
Dyna-Gro 2570B2RF	1042 [16]	1561 [26]	**556** [17T]	**1421** [8]	1145 [18]	44.0	83.6	1.14	29.2	5.0
NG 1511 B2RF	1048 [15]	1750 [15]	**621** [6]	1139 [25]	1140 [19]	46.6	83.4	1.13	29.6	5.0
SSG CT Linwood	984 [23]	1797 [11]	**634** [5]	1129 [27]	1136 [20]	43.3	83.9	1.12	30.8	4.9
PHY 375 WRF	1168 [4T]	1644 [23]	**585** [13]	1134 [26]	1133 [21]	44.6	83.5	1.14	29.0	4.6
DG2595 B2RF	1033 [18]	1660 [21]	**576** [14]	1245 [20]	1128 [22]	44.5	83.2	1.15	29.3	5.1
All-Tex Nitro 44 B2RF	973 [24]	1698 [18]	**527** [24]	1269 [18]	1117 [23]	43.4	84.3	1.19	31.5	4.3
BRS286	993 [21T]	1610 [24]	**672** [3]	1184 [23]	1115 [24]	43.1	83.8	1.14	30.8	4.8
All-Tex 7A21	960 [26]	1596 [25]	**546** [21]	1350 [13]	1113 [25]	43.9	84.0	1.16	29.8	4.8
PHY 367 WRF	1128 [9]	1484 [28T]	**547** [20]	1187 [22]	1086 [26]	43.0	84.1	1.16	30.2	4.7
AM 1550 B2RF	1056 [14]	1484 [28T]	**553** [19]	1161 [24]	1064 [27]	43.1	83.2	1.12	28.0	4.8
SSG HQ 210 CT	1067 [13]	1379 [29]	**510** [27]	1239 [21]	1049 [28]	42.4	83.0	1.13	30.6	4.8
SSG AU 222	992 [22]	1650 [22]	**524** [25]	988 [30]	1039 [29]	43	83.0	1.15	28.5	4.8
GA2008057	888 [27]	1547 [27]	**535** [23T]	1048 [29]	1004 [30]	42.1	84.3	1.19	31.7	4.5
Average	1074	1731	582	1307	1174	44.2	83.8	1.15	29.9	4.8
LSD 0.10	137	184	N.S.[1]	179	12.6	1.5	0.8	0.03	1.4	0.3
CV %	10.8	9.0	23.5	11.7	11.9	2.7	1.2	0.03	5.1	4.8

[a] Superscripts indicate ranking at that location.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an LSD value was not calculated.

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

Two-Year Summary of Dryland Earlier Maturity Cotton Varieties at Four Locations[a], 2010-2012

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1397**	46.3	84.1	1.12	30.8	4.8
DP 1028 B2RF	1288	46.3	84.1	1.14	28.4	4.6
NG 1511 B2RF	1257	46.0	83.6	1.11	30	4.8
DP 0912 B2RF	1253	43.5	83.7	1.12	29.5	5.0
Dyna-Gro 2570B2RF	1182	43.3	83.6	1.12	29.4	4.7
All-Tex 7A21	1171	44.0	83.9	1.15	30.0	4.7
BRS293	1169	42.0	83.6	1.13	32.3	4.9
AM 1550 B2RF	1156	43.4	83.5	1.11	27.4	4.6
All-Tex LA122	1143	44.6	84.0	1.14	28.5	4.5
PHY 375 WRF	1142	44.4	83.4	1.11	28.6	4.3
GA2004143	1131	44.9	84.4	1.18	32.2	4.6
BRS286	1116	42.0	83.4	1.11	30.6	4.6
All-Tex Nitro 44 B2RF	1099	42.4	84.5	1.20	31.9	4.0
PHY 367 WRF	1086	43.5	83.8	1.14	29.9	4.4
GA2006106	1078	42.6	83.7	1.16	31.4	4.5
SSG HQ 210 CT	1064	41.9	82.8	1.12	30.6	4.7
SSG CT Linwood	1007	43.4	83.4	1.10	31.4	4.9
GA2008057	932	41.6	84.3	1.17	32.2	4.4
Average	1148	43.7	83.8	1.13	30.3	4.6
LSD 0.10	72	0.4	0.5	0.02	0.9	0.1
CV %	15.3	2.5	2.5	1.01	5.1	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).

Athens, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DG2610 B2RF	**1287**	47.2	83.4	1.15	29.2	5.2
PHY 499 WRF	**1270**	47.0	83.0	1.11	30.8	5.3
GA2007095	**1246**	45.1	83.7	1.16	30.6	5.1
CG 3787 B2RF	**1218**	50.8	84.7	1.16	28.8	4.9
DP 1050 B2RF	**1216**	48.0	83.3	1.15	27.9	4.9
DP 1137 B2RF	**1206**	46.9	83.5	1.12	29.3	5.2
DP 1034 B2RF	**1200**	48.6	82.4	1.11	27.1	5.2
PX 5322-11 WRF	**1186**	44.3	84.2	1.19	28.7	4.8
GA2004230	**1164**	44.5	83.9	1.24	32.2	5.0
NGX0012B2RF	**1157**	47.2	83.9	1.16	28.1	5.2
BX1348GLB2	**1156**	44.5	81.9	1.20	31.3	5.2
DP 1048 B2RF	**1154**	48.2	84.6	1.16	28.5	5.1
DP 1252 B2RF	1135	47.2	84.3	1.16	27.6	5.0
NG 1511 B2RF	1070	46.7	83.5	1.16	30.9	5.1
MON 11R154B2R2	1016	41.9	83.4	1.17	33.7	5.0
DP 1359 B2RF	1014	45.5	82.7	1.18	31.7	5.0
MON 11R136B2R2	1012	46.6	83.2	1.21	31.7	4.6
PHY 375 WRF	1011	46.8	82.7	1.13	29.0	5.1
PHY 440 W	994	45.3	83.7	1.13	31.4	5.1
All-Tex Nitro 44 B2RF	940	44.8	83.9	1.19	32.9	4.5
SSG CT310 HQ	938	41.8	84.5	1.15	33.7	5.2
GA2008083	936	44.9	82.4	1.13	32.0	5.1
PHY 565 WRF	935	44.4	82.3	1.13	31.0	5.3
Average	1107	46.0	83.4	1.16	30.3	5.0
LSD 0.10	137	1.8	1.1	0.04	1.3	0.3
CV %	10.5	3.2	0.7	2.31	2.5	3.8

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

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

Planted: May 3, 2012.
Harvested: October 9, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Cecil sandy clay loam.
Soil Test: P = Medium, K = Medium, and pH = 6.5.
Fertilization: 80 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled, and strip tilled; Treflan, Reflex, and Cotoran used for weed control; Temik used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	2.47	1.90	3.63	4.49	2.70	1.91

Trials conducted by J. Gassett, G. Ware, J. Griffin, B. Baerne, and L. Thompson.

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**2325**	43.5	84.3	1.20	30.4	4.3
DP 1137 B2RF	2105	45.0	85.2	1.18	26.9	4.8
DP 1252 B2RF	2103	45.3	85.1	1.20	27.5	4.3
PX 5322-11 WRF	2061	40.7	84.6	1.26	28.3	4.1
NGX0012B2RF	2027	43.3	84.6	1.20	28.2	4.2
DP 1050 B2RF	2012	44.3	84.5	1.22	27.6	4.2
BX1348GLB2	2011	40.4	85.1	1.28	30.7	3.9
GA2004230	2010	40.5	85.3	1.28	31.5	4.3
DG2610 B2RF	1995	44.3	84.6	1.19	26.8	4.5
CG 3787 B2RF	1961	43.3	85.6	1.23	27.4	4.1
DP 1048 B2RF	1927	44.9	84.8	1.24	28.2	4.2
MON 11R154B2R2	1847	41.0	84.7	1.23	33.9	3.9
PHY 565 WRF	1789	39.5	84.4	1.22	31.5	4.2
NG 1511 B2RF	1786	43.0	85.2	1.19	29.3	4.6
MON 11R136B2R2	1753	40.9	87.2	1.31	32.8	4.2
PHY 375 WRF	1751	42.2	84.2	1.18	27.4	3.7
PHY 440 W	1711	40.2	85.1	1.17	29.6	4.2
GA2007095	1704	41.2	84.7	1.22	29.3	3.9
DP 1359 B2RF	1680	42.5	83.7	1.21	32.8	4.1
GA2008083	1603	40.0	83.5	1.18	30.7	4.0
DP 1034 B2RF	1585	41.5	85.5	1.21	29.4	4.1
All-Tex Nitro 44 B2RF	1493	39.8	85.9	1.28	31.9	3.9
SSG CT310 HQ	1241	37.8	84.4	1.16	32.2	4.3
Average	1847	41.9	84.9	1.22	29.7	4.1
LSD 0.10	204	1.3	N.S.[1]	0.03	2.0	N.S.
CV %	9.4	2.6	1.1	1.57	3.8	7.7

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 8, 2012.
Harvested: October 26, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Dothan loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 5.9.
Fertilization: 30 lb N, 46 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Prowl, Reflex, MSMA, Diuron, Envoke, and Volunteer used for weed control; Temik, Bidrin, Belt, Asana, and Deltamethrin used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	6.15	5.83	3.50	8.10	2.00	0

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

Plains, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1252 B2RF	**705**	47.8	83.8	1.14	26.9	5.1
PHY 440 W	**637**	46.1	83.0	1.11	29.4	4.9
DP 1034 B2RF	**622**	47.8	82.6	1.07	27.8	5.3
DG2610 B2RF	589	45.4	82.7	1.17	31.8	4.6
All-Tex Nitro 44 B2RF	584	48.2	82.6	1.13	26.1	5.2
PHY 565 WRF	563	46.4	81.9	1.12	27.4	5.2
PHY 375 WRF	556	46.7	82.8	1.15	29.4	5.0
DP 1050 B2RF	549	44.1	82.2	1.09	31.5	5.4
SSG CT310 HQ	547	45.4	82.1	1.11	27.2	5.1
MON 11R136B2R2	539	44.4	82.8	1.16	31.2	5.0
GA2007095	534	44.1	81.5	1.22	29.0	4.9
NGX0012B2RF	532	44.1	83.3	1.19	27.2	5.0
BX1348GLB2	519	45.0	82.7	1.12	25.9	4.8
PHY 499 WRF	516	45.5	82.8	1.15	29.1	4.9
GA2008083	514	44.2	82.9	1.11	29.9	5.2
DP 1137 B2RF	508	46.9	80.9	1.13	27.9	5.2
MON 11R154B2R2	506	45.8	83.1	1.15	27.5	5.2
NG 1511 B2RF	502	45.8	82.3	1.13	30.6	4.7
CG 3787 B2RF	488	44.2	82.7	1.12	28.8	5.1
DP 1359 B2RF	486	46.2	81.9	1.08	31.4	5.0
GA2004230	484	44.8	83.1	1.15	29.2	4.8
PX 5322-11 WRF	484	43.6	83.3	1.19	30.4	4.8
DP 1048 B2RF	482	45.1	83.1	1.14	31.1	5.2
Average	541	45.5	82.6	1.13	29.0	5.0
LSD 0.10	97	1.6	N.S.[1]	0.06	3.2	N.S.
CV %	15.2	3.0	1.2	2.99	6.5	7.3

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 2, 2012.
Harvested: October 17, 2012.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: 21 lb N, 60 lb P_2O_5, and 60 lb K_2O/acre. Sidedress: 80 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidrin, Mustang Max, Baythroid, and Discipline used for insect control; Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.36	3.49	3.91	2.28	3.64	1.50

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2012

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
CG 3787 B2RF	**1279**	48.0	84.1	1.13	27.4	5.3
PHY 499 WRF	**1235**	46.4	84.6	1.10	30.1	5.4
BX1348GLB2	**1178**	44.2	84.4	1.20	30.4	5.4
PHY 565 WRF	**1107**	44.3	84.5	1.13	32.1	5.3
DP 1359 B2RF	1078	45.5	82.7	1.15	31.6	5.4
DP 1050 B2RF	1043	46.8	83.3	1.14	28.1	5.2
PX 5322-11 WRF	1001	43.1	84.5	1.17	28.4	4.9
MON 11R136B2R2	988	42.7	84.7	1.21	32.7	5.1
NGX0012B2RF	958	47.0	84.8	1.12	27.3	5.4
GA2008083	951	46.1	83.7	1.09	31.2	5.3
DG2610 B2RF	943	46.3	84.3	1.15	28.0	5.1
DP 1252 B2RF	899	47.4	85.0	1.15	28.1	5.2
GA2004230	896	43.7	84.4	1.17	30.4	5.0
GA2007095	893	43.0	83.4	1.16	30.4	5.2
DP 1048 B2RF	889	45.8	83.8	1.15	27.5	5.1
SSG CT310 HQ	869	40.3	83.9	1.14	34.7	5.3
PHY 375 WRF	860	43.8	83.0	1.12	29.6	4.9
DP 1137 B2RF	835	46.8	84.1	1.14	27.5	5.3
DP 1034 B2RF	803	47.1	85.6	1.17	28.1	5.1
MON 11R154B2R2	790	44.5	84.1	1.17	32.4	5.2
PHY 440 W	728	44.0	83.2	1.09	32.2	5.2
NG 1511 B2RF	674	46.1	83.1	1.11	30.3	5.3
All-Tex Nitro 44 B2RF	610	44.3	85.0	1.20	32.6	4.8
Average	935	45.1	84.1	1.14	30.0	5.2
LSD 0.10	200	1.6	N.S.[1]	0.04	1.7	0.3
CV %	18.1	1.0	1.2	1.88	3.3	3.0

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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 1, 2012.
Harvested: September 28, 2012.
Seeding Rate: 4 seeds/foot in 36' rows.
Soil Type: Tifton loam.
Soil Test: P = Medium, K = Medium, and pH = 5.9.
Fertilization: 18 lb N, 54 lb P_2O_5, and 108 lb K_2O/acre. Sidedress: 80 lb N and 60 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled and bedded; Prowl, Cotoran and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

	April	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.13	3.20	4.61	3.20	9.95	2.21	2.48

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and Larry Thompson.

Yield Summary of Dryland Later Maturity Cotton Varieties, 2012

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	**1270** [2]	**2325** [1]	516 [14]	**1235** [2]	**1337** [1]	45.6	83.6	1.14	30.1	5.0
CG 3787 B2RF	**1218** [4]	1961 [10]	488 [19]	**1279** [1]	**1236** [2]	46.6	84.3	1.16	28.1	4.8
BX1348GLB2	**1156** [11]	2011 [7]	519 [13]	**1178** [3]	**1216** [3]	43.5	83.5	1.20	29.6	4.8
DP 1252 B2RF	1135 [13]	2103 [3]	**705** [1]	899 [12]	**1210** [4]	46.9	84.5	1.16	27.5	4.9
DP 1050 B2RF	**1216** [5]	2012 [6]	549 [8]	1043 [6]	**1205** [5]	45.8	83.3	1.15	28.8	4.9
DG2610 B2RF	**1287** [1]	1995 [9]	589 [4]	943 [11]	**1204** [6]	45.8	83.7	1.16	28.9	4.8
PX 5322-11 WRF	**1186** [8]	2061 [4]	484 [21T]	1001 [7]	**1183** [7]	42.9	84.1	1.20	28.9	4.6
NGX0012B2RF	**1157** [10]	2027 [5]	532 [12]	958 [9]	1168 [8]	45.4	84.2	1.16	27.7	4.9
DP 1137 B2RF	**1206** [6]	2105 [2]	508 [16]	835 [18]	1163 [9]	46.4	83.4	1.14	27.9	5.1
GA2004230	**1164** [9]	2010 [8]	484 [21T]	896 [13]	1139 [10]	43.4	84.2	1.21	30.8	4.7
DP 1048 B2RF	**1154** [12]	1927 [11]	482 [22]	889 [15]	1113 [11]	46.0	84.1	1.17	28.8	4.9
PHY 565 WRF	935 [23]	1789 [13]	563 [6]	**1107** [4]	1099 [12]	43.6	83.3	1.15	30.5	5.0
GA2007095	**1246** [3]	1704 [18]	534 [11]	893 [14]	1094 [13]	43.3	83.3	1.19	29.8	4.7
MON 11R136B2R2	1012 [17]	1753 [15]	539 [10]	988 [8]	1073 [14]	43.7	84.5	1.22	32.1	4.7
DP 1359 B2RF	1014 [16]	1680 [19]	486 [20]	1078 [5]	1064 [15]	44.9	82.7	1.15	31.8	4.9
DP 1034 B2RF	**1200** [7]	1585 [21]	**622** [3]	803 [19]	1053 [16]	46.2	84.0	1.14	28.1	4.9
PHY 375 WRF	1011 [18]	1751 [16]	556 [7]	860 [17]	1044 [17]	44.9	83.2	1.14	28.8	4.7
MON 11R154B2R2	1016 [15]	1847 [12]	506 [17]	790 [20]	1040 [18]	43.3	83.8	1.18	31.9	4.8
PHY 440 W	994 [19]	1711 [17]	**637** [2]	728 [21]	1018 [19]	43.9	83.7	1.12	30.6	4.8
NG 1511 B2RF	1070 [14]	1786 [14]	502 [18]	674 [22]	1008 [20]	45.4	83.5	1.15	30.3	4.9
GA2008083	936 [22]	1603 [20]	514 [15]	951 [10]	1001 [21]	43.8	83.1	1.13	30.9	4.9
All-Tex Nitro 44 B2RF	940 [20]	1493 [22]	584 [5]	610 [23]	907 [22]	44.2	84.3	1.20	30.9	4.6
SSG CT310 HQ	938 [21]	1241 [23]	547 [9]	869 [16]	899 [23]	41.3	83.7	1.14	31.9	4.9
Average	1107	1847	541	935	1108	44.6	83.7	1.16	29.8	4.8
LSD 0.10	222	188	225	171	152	0.8	0.7	0.02	0.8	0.2
CV %	11.5	7.8	10.9	7.6	9.4	1.7	1.2	1.93	3.9	4.8

[a] Superscripts indicate ranking at that location.

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

Two-Year Summary of Dryland Later Maturity Cotton Varieties at Four Locations[a], 2010-2012

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1360**	46.1	83.6	1.12	30.7	4.7
DP 1050 B2RF	1224	45.7	83.3	1.13	27.9	4.7
DP 1137 B2RF	1211	45.8	83.7	1.13	28.2	4.9
DP 1252 B2RF	1190	46.7	84.1	1.14	27.8	4.7
DP 1048 B2RF	1171	45.7	83.8	1.14	28.4	4.6
NG 1511 B2RF	1134	45.4	83.5	1.12	30.1	4.7
DP 1034 B2RF	1120	45.6	83.7	1.13	27.7	4.6
GA2004230	1104	42.7	83.8	1.19	30.4	4.5
PHY 565 WRF	1081	42.6	83.3	1.13	30.3	4.5
GA2007095	1073	42.5	83.3	1.16	29.8	4.5
PHY 375 WRF	1056	44.5	83.0	1.12	28.3	4.4
PHY 440 W	1029	43.0	83.7	1.11	30.8	4.5
GA2008083	955	44.7	82.8	1.11	31.3	4.7
Average	1131	44.7	83.5	1.13	29.4	4.6
LSD 0.10	62	0.4	0.5	0.02	0.7	0.1
CV %	13.3	2.3	1.1	2.37	4.3	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, 2012

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		%	%	
K 326	3017	4461	148	70	19	37.7	79	2.11	19.0	9.01
CC 700	2985	4942	164	81	18	39.2	77	1.95	17.7	9.10
GF 318	2975	4375	146	73	20	39.9	75	2.07	18.8	9.09
CC 35	2963	4593	154	76	20	40.3	81	2.15	18.4	8.52
NC 95	2946	3482	119	58	19	41.1	75	3.70	15.8	4.28
NC 72	2871	4026	140	70	17	37.8	76	1.87	19.1	10.18
NC 92	2825	3218	114	57	19	40.5	76	2.41	19.5	8.09
SP 168	2822	4213	150	75	19	38.8	80	2.37	17.0	7.17
NC 925	2791	4035	144	72	17	39.9	75	2.43	18.5	7.62
CC 65	2781	3910	140	71	19	39.9	82	2.53	17.3	6.85
NC 297	2752	3659	132	66	19	36.1	77	2.26	17.3	7.64
PVH 2110	2727	4851	178	86	21	40.2	82	1.96	16.7	8.55
CC 33	2725	4529	165	81	19	39.2	78	2.29	18.0	7.88
K 399	2708	3833	141	73	19	37.7	74	2.31	19.4	8.37
PVH 2254	2691	4672	174	85	19	39.3	79	1.96	21.7	11.06
PVH 1452	2686	4320	161	80	19	39.7	78	2.30	17.8	7.72
CC 37	2652	3592	134	66	19	38.2	79	1.99	18.8	9.47
GL 338	2633	4340	165	81	18	38.8	72	2.38	17.4	7.30
CC 27	2628	3575	136	68	19	39.3	78	1.84	17.0	9.23
CC 67	2621	4271	162	80	20	40.0	73	2.52	14.6	5.80
CC 1063	2599	4177	160	79	18	37.9	76	2.40	18.1	7.55
PVH 2275	2589	4112	158	78	19	38.7	74	2.31	16.8	7.30
NC 71	2550	3956	146	76	18	38.3	78	2.14	19.0	8.87
NC 196	2499	3937	159	78	18	37.5	80	2.04	19.7	9.68
GL 395	2446	3856	158	79	19	38.4	73	2.03	16.2	7.97
RJR 901	2424	3489	146	73	19	39.4	78	2.28	17.5	7.69
K 346	2375	3305	140	70	19	40.1	76	2.21	18.4	8.34
NC2326	2373	2670	113	55	16	35.0	67	2.89	17.9	6.19
GF 157	2365	3522	148	73	19	38.5	74	2.25	15.2	6.73
LSD @ 0.05	382.9	1140.7	30.9	14.2						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 119 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 (2011-2012) 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, 2010, 2011 and 2012

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 2010, 2011 and 2012										
CC 65	3341	4076	122	64	20	41	82	2.71	15.1	5.65
GF 318	3257	4675	144	67	20	40	76	2.47	18.1	7.61
CC 37	3096	3994	130	66	17	40	79	2.18	17.1	7.92
PVH 1452	3086	4441	146	74	19	38	76	2.52	16.2	6.47
NC 92	3035	3394	114	60	19	40	77	2.65	16.2	6.28
SP 168	3033	4280	143	72	18	37	77	2.30	16.2	7.14
CC 700	3015	4442	147	74	19	38	76	2.61	16.4	6.63
NC 72	3002	3996	135	69	18	38	77	2.38	15.7	6.96
NC 196	2975	4294	147	74	19	39	80	2.33	17.5	7.71
K326	2933	4565	154	76	19	36	78	2.45	15.8	6.66
CC 27	2930	3822	131	67	20	38	75	2.27	14.8	6.87
GL 338	2907	4158	145	70	18	38	71	2.59	16.4	6.37
NC 297	2835	3788	135	69	19	36	78	2.58	16.5	6.56
K 399	2830	3955	140	72	19	36	76	2.34	18.3	7.82
NC 71	2817	4067	143	74	19	36	77	2.32	16.5	7.19
CC 67	2676	3744	139	71	19	37	75	2.25	16.4	7.46
K346	2663	3454	132	68	18	38	75	2.42	15.7	6.59
NC 95	2616	3632	140	69	19	40	77	3.02	15.3	5.17
NC2326	2310	2844	123	61	17	36	66	2.64	14.5	5.45
2-Year Average 2011-2012										
GF 318	3304	4592	140	63	19	38	75	2.18	18.7	8.60
NC 92	3195	3187	101	54	20	40	78	2.80	17.0	6.32
CC 700	3170	4676	148	75	19	38	75	2.55	16.3	6.91
SP 168	3160	4320	138	71	19	38	78	2.17	16.8	7.82
CC 37	3117	3795	123	64	19	39	79	2.07	18.1	8.76
PVH 1452	3080	4261	141	73	19	38	76	2.50	17.1	6.93
CC 65[3]	3075	3563	117	63	20	41	82	2.57	16.4	6.37
NC 196	3069	4171	140	72	19	38	80	2.40	18.1	7.81
NC 72	3050	3794	126	66	18	37	78	2.27	16.5	7.70
K326	3046	4917	161	80	19	36	77	2.21	16.2	7.44
NC 297	3037	3877	128	67	19	36	78	2.71	16.7	6.40
K 399	2970	3926	132	70	19	36	74	2.36	18.7	7.91
GL 338	2954	4108	142	68	18	37	72	2.54	17.1	6.76
NC 71	2948	4172	138	73	18	37	78	2.28	17.0	7.55
CC 27	2945	3734	128	66	19	38	75	2.33	15.0	6.92
GL 395	2874	4085	144	75	19	38	76	2.21	15.6	7.14
NC 95	2836	3950	141	70	19	40	74	3.18	15.0	4.78
CC 67	2780	3829	137	71	19	39	74	2.22	16.6	7.75
K346	2745	3236	121	63	18	37	77	2.41	16.5	6.95
NC2326	2264	2460	109	54	17	35	66	2.72	15.8	5.78

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 120 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 (2011-2012) prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.
3. Average pf 2010, 2011, 2012.

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, 2012

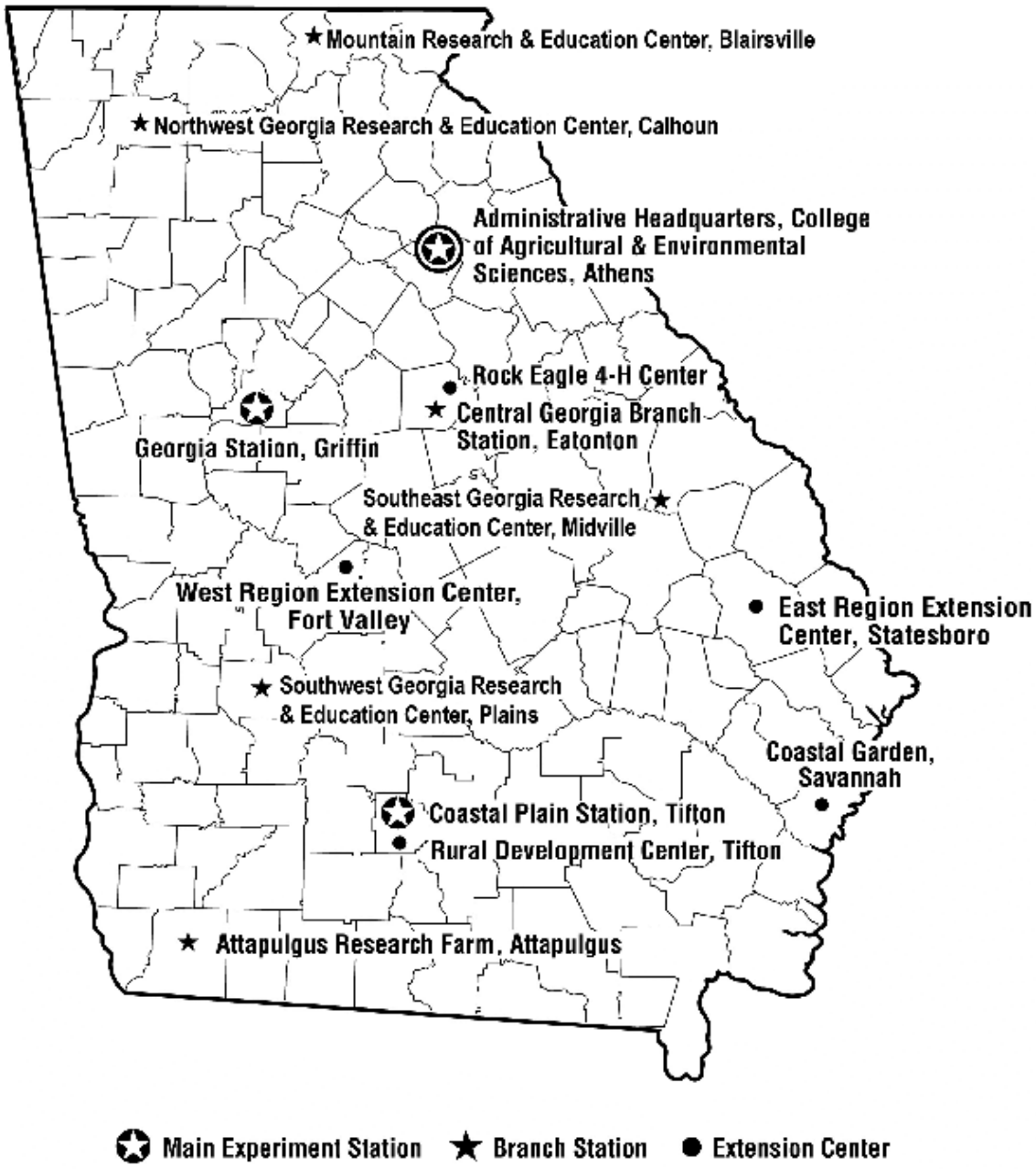
Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
NCEX 39	3579	3982	111	55	18	37.4	72	2.56	17.6	6.91
PXH 9	3541	4689	134	66	19	38.9	70	2.40	17.5	7.31
GLEX 328	3528	4800	137	67	19	38.5	74	2.23	17.4	7.80
ULT 123	3426	5024	148	73	20	40.4	70	2.31	18.5	8.03
NCEX 24	3418	4541	133	66	18	39.8	74	2.46	18.2	7.39
ULT 113	3366	5476	162	79	18	38.8	69	2.63	16.9	6.42
CC 143	3356	4595	137	68	19	40.1	71	2.32	16.2	6.95
NCEX38	3344	4264	127	64	19	38.5	70	2.40	17.1	7.13
GLEX 362	3322	4601	139	69	21	38.4	71	2.67	17.5	6.57
K 326	3298	4438	135	67	20	37.3	71	2.74	17.8	6.50
ULT 143	3291	3906	119	59	20	38.5	73	2.70	16.7	6.18
CU 144	3174	4371	140	67	19	39.1	70	2.52	18.2	7.25
CU 124	3163	3367	106	52	22	37.2	78	2.66	16.7	6.29
PXH 1	3081	3742	123	60	20	37.9	79	2.06	17.0	8.27
NC 95	2946	3644	123	61	19	40.2	74	2.59	17.2	6.65
NC 2326	2572	2964	118	56	17	37.7	66	3.15	15.6	4.97
LSD -0.05	265.3	745.2	26.1	7.53						

Conducted on an Ocilla loamy sand soil fertilized with 1100 lbs/a of 6-6-18 and 120 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 (2011-2012) 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.

NOTES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