



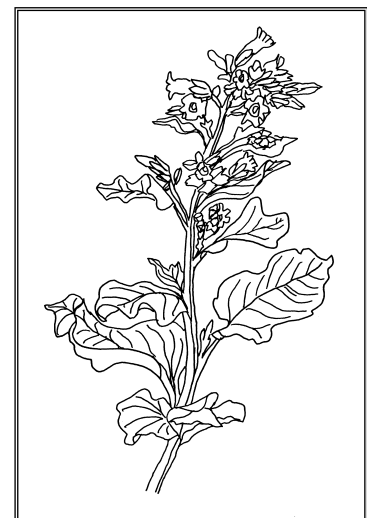
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GEORGIA

2014 Peanut, Cotton, and Tobacco Performance Tests

John D. Gasset, J. LaDon Day, Dustin G. Dunn,
and Stevan S. LaHue, *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 ' in or "	foot inch	30.48 centimeters 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 x 10 ⁻⁵ ounce



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PREFACE

This research report presents the results of the 2014 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. During 2014 HVI (High Volume Index) cotton fiber samples were sent to Macon, Georgia, for analysis.

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 2015 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 varieties. 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 2014 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2014 Corn Performance Tests (Annual Publication 101-6), 2013-2014 Small Grains Performance Tests (Annual Publication 100-6), 2014 Soybean, Sorghum Grain and Silage, and Summer Annual Forage Performance Tests (Annual Publication 103-6), and 2013-2014 Canola Performance data available online at www.swvt.uga.edu/canola.

This report, along with performance test information on other agronomic crops, is also available online at www.swvt.uga.edu. Additional information may be obtained by writing to John Gasset, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment St., Griffin, GA 30223-1797.

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2014 PEANUT, COTTON AND TOBACCO PERFORMANCE TESTS

*John D. Gasset, J. LaDon Day, Dustin G. Dunn,
and Stevan S. LaHue, Editors*

The Season

For the second year in a row, Georgia agronomic producers in 2014 were fortunate to have adequate soil moisture for planting combined with an abundance of rainfall. Prolonged and periodic precipitation events led to spring plantings being delayed for many farmers in Georgia. Cooler than normal temperatures early in the planting season resulted in low soil temperatures and slowed germination for many crops. Irrigation needs did increase for much of the state in June, July, and August.

Seasonal rainfall amounts recorded at the five test locations in Georgia during 2014 are listed in the table below. Athens and Plains were the only two locations out of five that did not receive the normal amount of rainfall. Attapulgus, Midville, and Tifton received 17-25 percent more rainfall than normal.

2014 Rainfall¹					
Month	Athens ²	Attapulgus ³	Midville	Plains	Tifton
----- inches -----					
March	3.75	8.98	3.71	3.40	5.46
April	4.56	13.8	6.24	7.91	8.72
May	4.11	3.20	9.21	1.25	8.41
June	4.72	2.28	2.98	1.87	2.88
July	2.92	4.52	5.95	2.70	3.00
August	2.26	0.61	2.65	1.00	1.50
September	1.22	7.64	3.73	2.67	5.96
October	2.78	3.08	3.70	2.85	2.21
November	3.34	5.91	4.22	4.28	6.54
Total	29.66	50.02	42.39	27.93	44.68
Normal (9 mo)	35.92	41.54	32.60	35.23	33.65

1. Data provided in part by Dr. I. Flitcroft, UGA Griffin Campus, Griffin, GA.

2. Plant Sciences Farm.

3. Attapulgus Research Center is the nearest location to the Bainbridge site.

Crop maturity progressed above the five-year average, however, harvest conditions were hampered due to wet soils during the fall of 2014. Peanut producers planted 600,000 acres, an increase of 28% from 2013, and the largest acreage since 2008. Cotton producers seeded 1.38 million acres in Georgia, a 1% increase from last year. Tobacco producers in the state transplanted between 13,000 and 15,000 acres in 2014, the largest acreage in the last four years.

John D. Gasset is the program director of the statewide variety testing program and J. LaDon Day is a research scientist in the Department of Crop and Soil Sciences, Griffin Campus, Griffin, Georgia 30223-1797. Dustin G. Dunn, and Stevan S. LaHue are research professional III and agricultural specialist, respectively, in the Department of Crop and Soil Sciences, Tifton Campus, Tifton, Georgia 31793-0748.

The Georgia state peanut yield per acre in 2014 was 4,100 pounds, 7% less than 2013. As a result of the increase in peanut acres planted, 2.42 billion pounds of peanuts were produced in 2014, a 22% increase in production from 2014. Cotton yield of 876 lbs/acre this year was a 3% increase from last year's record yield of 850 lbs/acre, a total production of 2.5 million bales or 4% more than the previous year. Georgia tobacco yield on a per acre basis was 2,300 pounds, a 24% increase from 2013. Total tobacco production was 34.5 million pounds, a 35% increase over last year.

PEANUT

Tifton, Georgia: Yield and Grade Performance Peanut Variety Trial, 2014, Irrigated

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<u>Spanish Types</u>							
Georgia-04S	09/23	5639	71.5	4.0	0.0	.	1023
Georgia Browne	09/23	5605	72.5	3.5	0.0	.	956
GA 082549 ¹	09/23	5328	75.5	2.5	0.5	.	829
GA 082548 ¹	09/23	5087	74.5	3.5	0.0	.	875
Tamnut OL06	09/15	4114	62.5	5.0	0.0	.	906
Tamspan 90	09/15	3975	67.0	3.0	0.0	.	1021
OLin	09/15	3835	68.0	4.0	0.0	.	1009
Spanco	09/05	3467	63.5	7.0	0.0	.	1051
Pronto	09/05	3314	64.5	8.0	0.0	.	1020
Average	09/16	4485	68.8	4.5	0.1	.	965
LSD at 10% Level		345	4.0	3.4	1.9	.	46
C.V. %		9.4	.	.	.	.	.
<u>Valencia Types</u>							
Georgia Red	09/15	3336	65.0	4.5	1.5	.	835
N.M. Valencia C	09/05	3078	61.0	6.5	1.0	.	1063
NuMex-01	09/05	3044	57.0	10.0	0.5	.	1047
Georgia Valencia	09/15	3040	55.5	3.5	5.0	.	690
N.M. Valencia A	09/05	3036	59.5	8.0	0.0	.	1081
H & W Valencia 136	09/05	2877	62.5	4.0	0.5	.	1062
Valencia McRan	09/05	2668	60.0	7.5	1.0	.	1068
Average		3011	60.1	6.3	1.4	.	978
LSD at 10% Level		345	4.0	3.4	1.9	.	46
C.V. %		9.4	.	.	.	.	.

1. Advanced Georgia breeding line.

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

Planted: May 8, 2014.

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

Fertilization: 0 lb N, 0 lb P₂O₅, 0 lb K₂O, and 1000 lb/a gypsum.

Soil Test: P = High, K = Very High, and pH = 6.1.

Soil Type: Tifton sandy loam.

Previous Crop: Corn.

Management: Disked, moldboard plowed, and rototilled; Sonalan (Incorporated), Basagran, Ultra Blazer, and Select used for weed control; Chlorothanil and Artisan used for fungal control.

(Lang Farm, Tifton)	May	June	July	Aug.	Sept.
Irrigation (in):	0.8	3.7	3.4	3.5	0.5
Rainfall (in):	5.1	4.1	1.8	1.2	4.8

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

**Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Irrigated**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<u>Runner Types</u>							
Georgia-12Y	09/23	7058	72.0	4.0	0.5	.	600
GA 112719 ¹	09/15	6290	74.0	3.0	0.5	.	586
Georgia-09B	09/05	6140	74.5	2.0	2.5	.	627
GA 102720 ¹	09/15	6136	76.0	1.5	1.0	.	567
Georgia-06G	09/05	6026	75.0	1.5	0.5	.	569
GA 112720 ¹	09/15	5996	74.0	1.5	3.5	.	580
TUFRunner™ - '297'	09/05	5964	74.0	2.5	1.5	.	536
TUFRunner™ - '511'	09/15	5930	73.0	2.0	1.5	.	565
FloRun™ '107'	09/05	5928	72.5	3.5	1.5	.	660
GA 072523 ¹	09/05	5902	75.5	2.0	1.0	.	575
Georgia Greener	09/05	5877	73.5	2.5	2.0	.	643
GA 082524 ¹	09/23	5748	71.5	5.5	0.5	.	780
Georgia-07W	09/15	5743	75.0	2.0	1.5	.	612
Florida-07	09/15	5739	70.0	2.5	1.0	.	572
TUFRunner™ - '727'	09/15	5724	74.5	2.5	0.5	.	571
Tifguard	09/05	5676	75.5	1.5	0.0	.	547
Georgia-10T	09/23	5468	77.0	3.0	0.5	.	634
TifNV-HighO/L	09/05	5435	73.0	2.0	1.0	.	527
Georgia-13M	09/15	5372	76.0	2.0	2.0	.	705
Georgia-14N	09/15	5277	73.5	4.5	0.5	.	753
Average	09/12	5871	74.0	2.6	1.2	.	610
LSD at 10% Level		459	3.6	1.4	N.S. ²	.	36
C.V. %		8.3	.	.	.	.	.
<u>Virginia Types</u>							
Georgia-08V	09/05	6229	73.5	1.0	1.0	57.5	401
Georgia-11J	09/23	5941	69.0	1.0	3.5	59.5	350
GA 092709 ¹	09/05	5865	67.0	2.5	4.5	46.5	446
CHAMPS	08/29	5812	64.0	1.5	1.5	40.5	487
Wynne	08/29	5439	67.5	1.5	1.0	44.0	441
Bailey	08/29	5386	69.5	1.5	0.5	44.0	487
Florida Fancy	09/05	5302	69.0	0.5	2.5	36.5	487
Sugg	08/29	5252	67.5	2.5	1.5	30.5	457
Sullivan	08/29	5164	69.5	1.5	0.0	44.0	495
Titan	08/29	5094	62.0	2.5	1.5	40.5	461
Average	09/03	5548	67.9	1.6	1.8	44.4	451
LSD at 10% Level		459	3.6	1.4	N.S.	6	36
C.V. %		8.3	.	.	.	.	.

Tifton, Georgia: Yield and Grade Performance Peanut Variety Trial, 2014, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. 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, 2014.
 Seeding Rate: 6 seed/row foot in 36" rows.
 Fertilization: 0 lb N, 0 lb P₂O₅, 0 lb K₂O, and 1000 lb/a gypsum.
 Soil Test: P = High, K = Very High, and pH = 6.1.
 Soil Type: Tifton sandy loam.
 Previous Crop: Corn.
 Management: Disked, moldboard plowed, and rototilled; Sonalan (Incorporated), Basagran, Ultra Blazer, and Select used for weed control; Chlorothanil and Artisan used for fungal control.

(Lang Farm, Tifton)	May	June	July	Aug.	Sept.
Irrigation (in):	0.8	3.7	3.4	3.5	0.5
Rainfall (in):	5.1	4.1	1.8	1.2	4.8

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

**Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Nonirrigated**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<u>Runner Types</u>							
Georgia-14N	09/23	5285	72.0	6.0	0.5	.	788
GA 082524 ¹	09/23	5024	70.5	6.0	0.5	.	730
TUFRunner™ - '511'	09/23	4881	68.5	5.0	2.0	.	540
Georgia-12Y	09/23	4837	64.5	6.0	2.5	.	639
GA 072523 ¹	09/15	4835	72.0	3.5	1.5	.	642
TUFRunner™ - '727'	09/23	4773	68.5	5.5	1.5	.	591
Georgia-07W	09/23	4583	67.0	5.0	3.5	.	650
Georgia-06G	09/15	4562	68.5	4.5	3.0	.	599
GA 112719 ¹	09/23	4527	66.0	5.5	4.5	.	622
Georgia-13M	09/23	4449	64.5	5.0	6.5	.	777
GA 102720 ¹	09/23	4407	62.0	5.5	6.5	.	595
GA 112720 ¹	09/23	4365	69.0	4.0	3.5	.	589
TUFRunner™ - '297'	09/15	4336	65.0	4.0	4.5	.	569
TifNV-HighO/L	09/15	4309	70.5	2.5	3.0	.	551
Tifguard	09/15	4262	68.5	4.0	3.0	.	606
Georgia Greener	09/15	4242	72.5	4.0	1.5	.	675
FloRun™ '107'	09/15	4155	64.0	5.5	4.5	.	671
Florida-07	09/23	4113	62.5	4.5	5.0	.	546
Georgia-10T	09/23	3806	71.0	*	1.5	.	656
Georgia-09B	09/15	3031	67.5	4.5	3.5	.	683
Average	09/20	4439	67.7	4.5	3.1	.	636
LSD at 10% Level		797	5.3	2.1	3.0	.	58
C.V. %		15.3	.	.	.	.	.
<u>Virginia Types</u>							
Bailey	09/05	5033	65.5	2.5	2.0	35.5	504
Sugg	09/05	4819	65.0	3.5	3.0	39.5	473
Wynne	09/05	4768	62.0	4.0	2.5	40.0	453
Sullivan	09/05	4764	65.0	3.0	1.5	39.5	527
Titan	09/05	4666	58.5	3.0	3.5	38.5	462
Georgia-11J	09/23	4284	65.0	2.5	3.0	48.0	439
CHAMPS	09/05	4258	58.5	3.5	4.0	35.0	460
Georgia-08V	09/15	4224	65.0	2.0	5.0	51.0	429
GA 092709 ¹	09/15	3750	58.5	2.5	10.0	44.0	442
Florida Fancy	09/15	3657	59.0	3.0	6.5	40.5	476
Average	09/10	4422	62.2	3.0	4.1	41.2	466
LSD at 10% Level		798	5.3	2.1	3.0	5.0	58
C.V. %		15.3	.	.	.	.	.

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Nonirrigated (Continued)

* Data unavailable from grading point.

1. Advanced Georgia breeding line.

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

Planted: May 9, 2014.

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

Fertilization: 0 lb N, 0 lb P₂O₅, 0 lb K₂O, and 1000 lb/a gypsum.

Soil Test: P = Medium, K = High, and pH = 5.8.

Soil Type: Tifton sandy loam.

Previous Crop: Corn.

Management: Disked, moldboard plowed, and rototilled; Sonalan (Incorporated), Basagran, Ultra Blazer, and Select used for weed control; Chlorothanil and Artisan used for fungal control.

(Lang Farm, Tifton)	May	June	July	Aug.	Sept.
Rainfall (in):	5.1	4.1	1.8	1.2	4.8

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

**Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Irrigated**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<u>Runner Types</u>							
Georgia-06G	09/26	6247	72.0	5.0	1.5	.	554
Georgia-09B	09/26	6204	69.0	4.0	1.5	.	570
Georgia-12Y	10/20	6177	72.0	3.0	1.0	.	611
TifNV-HighO/L	09/26	6081	67.5	3.0	3.0	.	563
Florida-07	10/06	5814	66.0	4.0	2.5	.	542
GA 082524 ¹	10/20	5739	70.0	5.0	2.5	.	708
Georgia Greener	09/26	5711	70.5	4.0	3.0	.	518
Georgia-13M	10/06	5675	72.0	4.5	2.5	.	724
TUFRunner™ - '511'	10/06	5669	72.0	3.0	2.0	.	534
Tifguard	09/26	5614	68.0	6.5	2.0	.	577
GA 112720 ¹	10/06	5578	69.5	3.5	2.5	.	584
GA 102720 ¹	10/06	5557	72.0	2.5	3.0	.	559
FloRun™ '107'	09/26	5530	74.5	3.0	1.0	.	563
TUFRunner™ - '727'	10/06	5454	68.5	4.0	3.5	.	534
GA 112719 ¹	10/06	5336	73.5	3.0	2.0	.	602
Georgia-07W	10/06	5288	67.0	5.0	3.5	.	550
TUFRunner™ - '297'	09/26	5270	67.0	4.5	2.0	.	522
Georgia-10T	10/20	5173	73.5	3.5	2.0	.	592
GA 072523 ¹	10/06	5112	72.0	5.0	1.0	.	583
Georgia-14N	10/06	4668	72.0	4.5	2.5	.	746
Average	10/05	5595	70.4	4.0	2.2	.	586
LSD at 10% Level		514	5.0	N.S. ²	N.S.	.	96
C.V. %		9.7	.	.	.	.	.
<u>Virginia Types</u>							
Georgia-11J	10/20	6292	72.5	1.5	2.0	*	363
Florida Fancy	09/26	6068	70.0	2.5	2.5	*	476
Georgia-08V	09/26	5732	69.0	3.5	3.5	*	549
GA 092709 ¹	09/26	5521	66.0	2.0	3.0	*	446
Sullivan	09/19	5406	66.0	3.0	2.5	*	489
CHAMPS	09/19	5348	67.0	3.0	1.5	*	457
Wynne	09/19	5185	66.5	3.0	1.0	*	448
Titan	09/19	5052	63.5	4.0	2.0	*	442
Bailey	09/19	4825	67.0	3.0	1.0	*	500
Sugg	09/19	4517	64.0	4.0	2.5	*	440
Average	09/24	5394	67.2	3.0	2.2	.	461
LSD at 10% Level		514	5.0	N.S.	N.S.	.	96
C.V. %		9.7	.	.	.	.	.

Plains, Georgia: Yield and Grade Performance Peanut Variety Trial, 2014, Irrigated (Continued)

* Data unavailable from grading point.

1. Advanced Georgia breeding line.
2. 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 21, 2014.

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

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

Soil Test: P = High, K = Very High, and pH = 6.7.

Soil Type: Greenville sandy clay loam.

Previous Crop: Corn.

Management: Disked, subsoiled, moldboard plowed, and bedded; Sonolan, Strong Arm, Valor, and Ultra Blazer used for weed control; Headline, Bravo, and Artisian used for fungal control.

	May	June	July	Aug.	Sept.
Irrigation (in):	3.00	4.00	3.00	3.00	1.00
Rainfall (in):	1.25	1.87	2.70	1.00	2.67

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

**Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Nonirrigated**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<u>Runner Types</u>							
Georgia-13M	10/20	3355	61.5	10.5	2.5	.	1014
TUFRunner™ - '727'	10/20	3334	66.0	7.5	1.5	.	699
Florida-07	10/20	3318	63.5	7.0	4.0	.	634
GA 112720 ¹	10/20	3306	71.5	5.0	1.0	.	644
Georgia-07W	10/20	3270	72.5	4.5	1.0	.	639
Georgia-12Y	10/20	3195	64.0	7.5	3.5	.	752
TUFRunner™ - '511'	10/20	3170	73.5	3.5	1.5	.	587
Georgia-14N	10/20	3158	69.0	7.5	3.5	.	885
FloRun™ '107'	10/06	3152	64.0	9.5	1.0	.	735
GA 102720 ¹	10/20	3074	69.0	5.0	3.0	.	719
GA 082524 ¹	10/20	3040	65.5	7.0	4.5	.	791
GA 112719 ¹	10/20	2992	72.5	4.0	1.0	.	755
TUFRunner™ - '297'	10/06	2968	65.0	6.5	2.0	.	573
Georgia Greener	10/06	2962	69.0	6.0	1.0	.	635
GA 072523 ¹	10/20	2865	68.0	5.5	1.5	.	646
TifNV-HighO/L	10/06	2762	58.5	7.5	4.5	.	561
Tifguard	10/06	2750	67.5	5.0	1.5	.	614
Georgia-10T	10/20	2744	70.0	5.5	2.5	.	728
Georgia-06G	10/06	2714	71.0	4.0	1.0	.	635
Georgia-09B	10/06	2580	70.5	5.0	1.0	.	755
Average	10/15	3035	67.6	6.2	2.2	.	700
LSD at 10% Level		288	2.8	1.4	2.1	.	50
C.V. %		9.8	.	.	.	.	.
<u>Virginia Types</u>							
Georgia-11J	10/20	3337	57.0	5.5	3.0	22.5	513
Bailey	10/06	3270	59.0	5.0	2.0	24.5	488
Sullivan	10/06	3249	62.5	4.5	1.0	22.5	561
Titan	10/06	3213	59.0	4.5	1.5	30.0	464
Sugg	10/06	3204	53.5	7.5	2.5	25.5	463
CHAMPS	10/06	3182	56.5	5.5	4.0	28.5	484
Wynne	10/06	3149	61.0	3.5	1.5	26.0	454
Florida Fancy	10/06	3060	62.0	4.0	2.5	29.5	468
Georgia-08V	10/06	2992	63.0	4.5	2.5	36.5	443
GA 092709 ¹	10/06	2689	65.5	3.0	3.5	37.0	509
Average	10/07	3134	59.9	4.8	2.4	28.3	485
LSD at 10% Level		288	2.8	1.4	2.1	2.7	50
C.V. %		9.8	.	.	.	.	.

**Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Nonirrigated (Continued)**

1. Advanced Georgia breeding line.

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

Planted: May 21, 2014.

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

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

Soil Test: P = High, K = Very High, and pH = 6.7.

Soil Type: Greenville sandy clay loam.

Previous Crop: Corn.

Management: Disked, subsoiled, moldboard plowed, and bedded; Sonolan, Strong Arm, Valor, and Ultra Blazer used for weed control; Headline, Bravo, and Artisian used for fungal control.

	May	June	July	Aug.	Sept.
Rainfall (in):	1.25	1.87	2.70	1.00	2.67

Test conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

**Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Irrigated**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
Runner Types							
GA 102720 ¹	11/04	7694	78.0	2.0	0.0	.	659
Georgia-13M	11/04	6918	76.0	2.5	0.0	.	715
TUFRunner™ - '511'	11/04	6788	77.0	1.5	0.0	.	571
Georgia-09B	11/04	6643	77.0	2.5	0.0	.	621
TUFRunner™ - '727'	10/29	6599	78.0	2.0	0.0	.	592
GA 112719 ¹	11/04	6589	78.5	1.5	0.0	.	617
GA 112720 ¹	11/04	6584	77.5	1.0	1.0	.	604
Florida-07	11/04	6580	73.5	2.5	0.5	.	570
Georgia-06G	11/04	6524	77.0	2.0	0.0	.	581
Georgia-07W	11/04	6492	77.5	1.5	0.5	.	604
Georgia-12Y	10/29	6433	74.0	3.0	0.5	.	669
TUFRunner™ - '297'	11/04	6371	77.5	2.0	0.0	.	562
GA 082524 ¹	10/29	6249	76.0	3.5	0.5	.	675
Georgia-14N	10/29	6200	77.5	3.5	0.5	.	744
FloRun™ '107'	11/04	6103	74.5	4.0	0.0	.	644
GA 072523 ¹	11/04	5994	76.5	2.0	0.0	.	582
Tifguard	11/04	5966	75.0	3.0	0.0	.	564
Georgia Greener	11/04	5704	78.0	2.0	0.0	.	627
TifNV-HighO/L	11/04	5421	76.5	1.5	0.0	.	553
Georgia-10T	10/29	5129	78.5	2.5	0.5	.	658
Average	11/03	6349	76.7	2.3	0.2	.	620
LSD at 10% Level		419	1.4	1.4	N.S. ²	.	82
C.V. %		7.1	.	.	.	.	.
Virginia Types							
GA 092709 ¹	11/04	6688	75.0	1.0	0.5	47.0	460
Georgia-08V	11/04	6469	76.5	1.0	0.0	59.0	411
Georgia-11J	10/29	6273	76.5	0.5	1.5	68.5	351
Florida Fancy	11/04	6193	74.5	2.0	0.5	46.5	446
Wynne	10/06	5437	70.0	1.0	0.5	46.0	454
Titan	10/06	5412	68.5	2.0	0.5	40.5	463
CHAMPS	10/06	5410	69.5	1.5	0.0	46.5	453
Sullivan	10/06	5374	70.5	2.0	0.0	43.0	523
Sugg	10/06	5314	71.0	2.0	0.5	42.5	459
Bailey	10/06	5158	71.0	2.0	0.5	35.0	528
Average	10/17	5773	72.3	1.5	0.5	47.5	455
LSD at 10% Level		419	1.4	1.4	N.S.	4.9	82
C.V. %		7.1	.	.	.	.	.

Midville, Georgia: Yield and Grade Performance Peanut Variety Trial, 2014, Irrigated (Continued)

1. Advanced Georgia breeding line.
2. 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: June 5, 2014.
 Seeding Rate: 6 seed/row foot in 36" rows.
 Fertilization: 0 lb N, 0 lb P₂O₅, 0 lb K₂O, and 1000 lb/a gypsum.
 Soil Test: P = Very High, K = High, and pH = 6.0.
 Soil Type: Tifton loamy sand.
 Previous Crop: Cotton.
 Management: Disked, moldboard plowed, and field conditioned; Prowl, Valor, Gramoxone, Dual Magnum, Storm, and Butyrac used for weed control; Dimilin used for insect control; Headline, Tebuconazole, Convoy, and Chlorothalonil used for fungal control.

	May	June	July	Aug.	Sept.
Irrigation (in):	0	1.00	3.75	3.50	1.25
Rainfall (in):	9.21	2.98	5.95	2.58	3.73

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

**Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Nonirrigated**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<u>Runner Types</u>							
Georgia-09B	11/04	4109	75.0	3.5	0.5	.	698
Florida-07	11/04	4022	70.5	3.0	2.0	.	575
TifNV-HighO/L	11/04	4008	76.0	2.0	1.0	.	576
FloRun™ '107'	11/04	3845	73.5	4.5	0.5	.	736
Georgia-12Y	10/29	3837	70.0	3.5	1.5	.	707
TUFRunner™ - '297'	11/04	3675	75.5	2.5	1.5	.	554
Georgia-06G	11/04	3552	75.0	2.0	1.0	.	555
Tifguard	11/04	3524	73.0	3.5	1.0	.	577
GA 072523 ¹	11/04	3512	73.0	4.0	0.5	.	659
GA 082524 ¹	10/29	3505	62.5	4.0	13.0	.	740
Georgia-13M	11/04	3487	72.0	4.5	1.0	.	841
TUFRunner™ - '511'	11/04	3461	74.5	3.5	1.0	.	639
Georgia-14N	10/29	3428	77.0	3.5	1.0	.	767
GA 112719 ¹	11/04	3400	73.0	4.0	1.0	.	666
TUFRunner™ - '727'	10/29	3337	71.5	5.0	1.0	.	656
GA 102720 ¹	11/04	3304	73.5	3.0	1.0	.	697
Georgia-07W	11/04	3245	75.0	2.5	1.0	.	669
Georgia Greener	11/04	3216	75.0	3.0	1.5	.	648
GA 112720 ¹	11/04	2945	74.0	3.0	1.5	.	662
Georgia-10T	10/29	2896	74.5	4.0	2.0	.	624
Average	11/03	3515	73.2	3.4	1.7	.	662
LSD at 10% Level		494	5.5	1.8	5.8	.	74
C.V. %		15.2	.	.	.	.	.
<u>Virginia Types</u>							
Georgia-08V	11/04	3943	73.0	1.5	3.0	37.0	578
Florida Fancy	11/04	3657	70.0	2.0	2.5	37.0	482
GA 092709 ¹	11/04	3611	71.0	1.0	2.0	41.0	463
Georgia-11J	10/29	3374	67.5	1.5	3.0	44.5	420
Sugg	10/06	3292	69.0	1.5	0.5	43.5	466
Bailey	10/06	3240	65.0	4.0	1.0	31.0	543
Sullivan	10/06	3003	68.0	1.5	0.5	41.5	531
Wynne	10/06	2992	64.5	2.5	1.0	38.5	462
CHAMPS	10/06	2577	63.5	2.5	1.5	41.5	480
Titan	10/06	2357	61.5	3.0	2.0	36.0	472
Average	10/17	3204	67.3	2.1	1.7	39.2	490
LSD at 10% Level		494	5.5	1.8	5.8	3.1	74
C.V. %		15.2	.	.	.	.	.

**Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2014, Nonirrigated (Continued)**

1. Advanced Georgia breeding line.

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

Planted: June 5, 2014.

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/a gypsum.

Soil Test: P = High, K = High, and pH = 6.4.

Soil Type: Dothan loamy sand.

Previous Crop: Cotton.

Management: Disked, moldboard plowed, and field conditioned; Prowl, Gramoxone, Dual Magnum, Storm, and Butyrac used for weed control; Dimilin used for insect control; Headline, Tebuconazole, Convoy, and Chlorothalonil used for fungal control.

	May	June	July	Aug.	Sept.
Rainfall (in):	9.21	2.98	5.95	2.58	3.73

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

COTTON

Bainbridge, Georgia:

Earlier Maturity Cotton Variety Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire* units
			Index* %	Length* inches		
PHY 427 WRF	1679	41.7	83.0	1.16	29.5	3.9
PHY 487 WRF	1637	42.2	81.7	1.12	30.1	4.0
PHY 333 WRF	1583	43.7	83.0	1.15	30.3	3.8
ST 4946GLB2	1541	43.0	82.5	1.13	31.8	4.1
DP 1133 B2RF	1481	44.3	82.4	1.14	31.1	4.5
NG 1511 B2RF	1380	43.1	83.1	1.11	31.0	4.3
DP 1137 B2RF	1367	43.3	82.4	1.14	29.6	4.2
DP 1321 B2RF	1357	42.3	83.5	1.13	32.2	4.3
ST 5115GLT	1334	42.6	81.9	1.14	32.1	3.7
PHY 444 WRF	1284	43.5	84.3	1.24	33.3	3.2
ST 4747GLB2	1278	41.6	81.7	1.17	30.7	3.8
PHY 499 WRF	1268	44.2	82.6	1.13	30.5	4.3
PHY 339 WRF	1260	42.3	82.6	1.19	30.8	3.8
SSG HQ 210 CT	1218	39.0	82.9	1.12	32.9	4.4
SSG UA 222	1208	40.0	83.2	1.19	31.6	3.7
DP 0912 B2RF	1164	41.3	82.8	1.08	28.3	4.4
ST 5032GLT	1140	41.3	81.8	1.18	31.0	3.5
GA 2010102	1103	40.1	83.9	1.18	35.4	4.1
SSG CT Linwood	1079	41.7	82.6	1.12	32.5	4.3
GA 2009037	1067	41.9	83.2	1.17	33.0	4.5
MON 12R224B2R2	1035	39.9	81.9	1.16	30.8	3.5
DG 2355 B2RF	1010	39.5	81.9	1.14	31.2	4.0
BRS 335	893	40.3	82.5	1.16	33.1	3.7
GA 2010074	876	40.7	82.7	1.15	31.2	4.0
GA 2009100	872	40.0	83.0	1.14	32.0	4.2
BRS 286	834	40.5	82.4	1.10	32.0	4.4
BRS 293	738	39.2	82.1	1.10	31.3	3.8
Average	1211	41.6	82.6	1.10	31.4	4.0
LSD 0.10	246	0.6	N.S. ¹	0.03	2.3	0.4
CV %	17.3	1.3	1.0	1.50	4.3	5.8

Bainbridge, Georgia: Earlier Maturity Cotton Variety Performance, 2014, Irrigated (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 13, 2014.

Harvested: October 6, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Very High, K = Medium, and pH = 5.9.

Fertilization: 26 lb N, 77 lb P_2O_5 , and 58 lb K_2O /acre.

Sidedress: 130 lb N, 150 lb K_2O , and 23 lb S/acre.

Previous Crop: Corn.

Management: Disked and subsoiled; Roundup, Valor, and MSMA used for weed control; Acephate, Prevathon, Transform 50, and Bidrin used for insect control.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.40	5.60	4.80	0.00
Rainfall (in):	0.85	1.70	0.95	2.20	4.70

Trials conducted by A. Coy, J. Greene, R. Brooke, D. Dunn, and B. McCranie.

**Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2014, Irrigated**

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
ST 4946GLB2	2597	43.0	83.1	1.16	31.4	4.2
PHY 499 WRF	2406	44.7	83.8	1.16	31.5	4.4
DP 0912 B2RF	2400	42.7	83.2	1.12	29.6	4.8
SSG UA 222	2374	44.2	83.2	1.23	31.3	3.9
PHY 444 WRF	2355	45.0	84.2	1.26	31.9	3.4
ST 4747GLB2	2328	42.8	82.7	1.23	31.6	4.0
ST 5032GLT	2299	40.9	83.0	1.22	31.1	3.5
GA 2009037	2291	42.5	83.1	1.21	33.9	4.0
PHY 333 WRF	2269	42.1	83.1	1.17	29.9	4.1
ST 5115GLT	2248	42.2	82.2	1.19	31.0	3.7
MON 12R224B2R2	2202	42.4	84.6	1.21	31.1	3.6
PHY 339 WRF	2184	41.6	82.9	1.22	30.7	3.9
DP 1321 B2RF	2178	43.3	84.7	1.18	31.8	4.2
GA 2010074	2171	42.9	83.7	1.19	31.9	4.4
DP 1137 B2RF	2167	44.6	83.8	1.18	28.3	4.5
GA 2010102	2166	39.9	83.8	1.19	33.7	4.4
PHY 487 WRF	2100	42.9	82.4	1.16	30.8	3.9
DP 1133 B2RF	2093	42.7	84.1	1.22	33.7	3.9
NG 1511 B2RF	2089	44.9	83.4	1.17	30.9	4.1
PHY 427 WRF	2087	42.0	84.3	1.17	31.4	4.1
BRS 335	2050	41.5	82.8	1.20	33.5	3.4
GA 2009100	2040	37.9	83.4	1.19	34.1	4.3
SSG HQ 210 CT	1924	40.3	81.9	1.15	31.5	3.8
SSG CT Linwood	1906	41.4	83.5	1.15	32.4	4.4
DG 2355 B2RF	1892	39.4	83.8	1.20	32.4	3.6
BRS 293	1733	41.9	83.6	1.20	33.6	4.1
BRS 286	1631	41.2	83.3	1.18	33.4	4.0
Average	2155	42.2	83.4	1.20	31.8	4.0
LSD 0.10	205	1.3	N.S. ¹	0.04	1.6	0.5
CV %	8.1	2.7	1.0	1.70	3.0	7.4

Midville, Georgia: Earlier Maturity Cotton Variety Performance, 2014, Irrigated (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 14, 2014.

Harvested: October 21, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.1.

Fertilization: 30 lb N, 40 lb P₂O₅, and 70 lb K₂O/acre. Sidedress: 80 lb N/acre.

Previous Crop: Corn.

Management: Disked, subsoiled, and bedded; Acumen, Reflex, Prowl, Staple, Warrant, Acephate, Layby Pro, and MSMA used for weed control; Bidrin and Prevathon used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.00	1.50	3.50	3.75	0.50	0.00
Rainfall (in):	9.21	2.98	5.95	2.58	3.73	0.33

Trials conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia: Earlier Maturity Cotton Variety Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
ST 4747GLB2	1931	42.5	83.1	1.20	29.9	4.6
ST 4946GLB2	1925	42.3	83.8	1.16	30.7	4.6
ST 5115GLT	1915	41.9	82.1	1.13	29.9	4.1
PHY 427 WRF	1909	41.3	83.3	1.14	30.4	4.5
PHY 444 WRF	1887	44.4	84.1	1.22	32.5	3.8
SSG UA 222	1866	41.9	83.7	1.17	30.1	4.4
NG 1511 B2RF	1855	43.9	82.5	1.13	31.1	4.7
DP 1133 B2RF	1852	44.4	83.8	1.14	31.7	4.7
PHY 499 WRF	1852	43.4	84.1	1.15	33.3	4.5
PHY 333 WRF	1846	44.2	83.4	1.15	29.6	4.4
DP 1137 B2RF	1822	42.1	82.5	1.10	27.9	4.6
ST 5032GLT	1813	40.8	82.0	1.18	33.2	3.9
DP 1321 B2RF	1800	42.0	84.6	1.15	30.4	4.7
DP 0912 B2RF	1782	41.2	83.2	1.12	31.6	4.8
PHY 487 WRF	1757	42.6	82.5	1.14	30.7	4.2
MON 12R224B2R2	1675	42.4	83.6	1.17	30.5	4.1
PHY 339 WRF	1662	42.1	83.0	1.18	31.7	4.1
BRS 335	1658	40.2	82.9	1.16	32.1	4.2
SSG HQ 210 CT	1646	40.2	82.0	1.09	30.7	4.6
GA 2010102	1628	40.8	84.0	1.19	35.7	4.8
GA 2009037	1625	42.8	82.5	1.12	30.9	4.6
DG 2355 B2RF	1522	39.2	82.2	1.15	31.8	4.0
BRS 286	1514	40.0	82.8	1.12	31.3	4.6
GA 2010074	1503	41.8	84.3	1.17	30.7	4.9
SSG CT Linwood	1472	41.2	84.0	1.11	30.5	4.8
GA 2009100	1410	39.8	82.7	1.15	32.7	4.7
BRS 293	1346	41.3	83.6	1.12	31.4	4.8
Average	1721	41.9	83.2	1.10	31.2	4.4
LSD 0.10	187	0.8	1.4	0.04	1.6	0.3
CV %	9.3	1.5	1.0	3.10	3.1	4.5

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 12, 2014.

Harvested: October 28, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.7.

Fertilization: 10 lb N, 25 lb P₂O₅, and 0 lb K₂O/acre. Sidedress: 85 lb N/acre.

Previous Crop: Soybeans.

Management: Disked, chisel plowed, subsoiled, and bedded; Prowl, Reflex, Staple, Diuron, and MSMA used for weed control; Orthene, Bidrin, and Bifenthrin used for insect control; Mepiquat used for PGR.

	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Irrigation (in):	0	0	2.60	2.00	2.00	5.00	0	0	0
Rainfall (in):	3.40	7.91	1.25	1.87	2.70	1.00	2.67	2.85	4.28

Trials conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Tifton, Georgia: Earlier Maturity Cotton Variety Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
SSG HQ 210 CT	1989	43.3	84.0	1.22	31.0	4.3
ST 5032GLT	1912	42.3	81.9	1.15	29.2	4.5
ST 4946GLB2	1912	40.2	82.9	1.20	30.3	4.5
PHY 499 WRF	1869	41.3	83.2	1.13	30.7	4.8
BRS 286	1791	40.8	82.5	1.16	30.4	4.5
MON 12R224B2R2	1785	43.1	84.1	1.16	29.6	4.4
PHY 339 WRF	1780	41.3	82.7	1.18	29.4	4.5
DG 2355 B2RF	1777	42.1	82.9	1.19	30.0	4.5
DP 0912 B2RF	1774	40.1	83.3	1.16	30.6	5.0
DP 1133 B2RF	1768	40.5	83.6	1.18	30.0	4.5
GA 2010102	1733	41.6	83.1	1.16	29.3	4.5
DP 1321 B2RF	1720	41.2	82.8	1.19	28.8	4.4
GA 2009100	1700	42.5	82.9	1.14	29.7	4.8
PHY 333 WRF	1697	39.7	82.5	1.17	30.7	4.2
PHY 444 WRF	1691	42.9	83.5	1.19	30.2	4.3
GA 2010074	1687	40.6	83.1	1.19	30.3	4.5
ST 4747GLB2	1683	40.7	82.9	1.19	30.0	4.7
NG 1511 B2RF	1678	39.9	82.9	1.22	29.5	4.3
BRS 335	1641	40.2	82.3	1.14	29.9	4.3
SSG UA 222	1636	41.7	83.6	1.17	30.6	4.7
DP 1137 B2RF	1630	39.0	82.2	1.15	32.3	4.9
PHY 427 WRF	1618	39.0	84.0	1.17	31.7	4.5
ST 5115GLT	1609	39.8	82.2	1.17	29.8	4.2
BRS 293	1540	39.7	81.9	1.14	29.9	4.5
GA 2009037	1479	41.8	82.2	1.16	32.2	4.6
PHY 487 WRF	1462	39.9	82.7	1.16	30.4	4.2
SSG CT Linwood	1391	40.2	83.1	1.14	30.8	4.9
Average	1702	40.9	82.9	1.17	30.2	4.5
LSD 0.10	218	1.2	N.S. ¹	N.S.	N.S.	N.S.
CV %	10.9	2.4	1.0	2.8	5.4	7.2

* Percent lint fractions were determined from plot seed cotton ginned in the Micro-Gin located on the UGA Tifton Campus. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 6, 2014.

Harvested: October 13, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 18 lb N, 36 lb P₂O₅, and 108 lb K₂O/acre. Sidedress: 75 lb N and 30 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Reflex, Cotoran, and Prowl used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

(Gibbs Farm, Tifton)	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	1.25	1.25	2.25	0.75
Rainfall (in):	6.10	2.96	2.82	3.38	5.93

Trials conducted by A. Coy, S. Willis, R. Brooke, D. Dunn, and B. McCranie.

Yield Summary of Earlier Maturity Cotton Varieties, 2014, Irrigated

Variety	Lint Yield ^a				4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Bainbridge	Midville	Plains lb/acre	Tifton						
ST 4946GLB2	1541 ⁴	2597 ¹	1925 ²	1912 ^{2T}	1994 ¹	42.1	83.1	1.16	31.1	4.3
PHY 499 WRF	1268 ¹²	2406 ²	1852 ^{8T}	1869 ³	1849 ^{2T}	43.4	83.4	1.14	31.5	4.5
PHY 333 WRF	1583 ³	2269 ⁹	1846 ⁹	1697 ¹³	1849 ^{2T}	42.4	83.0	1.16	30.1	4.1
PHY 427 WRF	1679 ¹	2087 ²⁰	1909 ⁴	1618 ²¹	1823 ³	41.0	83.6	1.16	30.7	4.2
ST 4747GLB2	1278 ¹¹	2328 ⁶	1931 ¹	1683 ¹⁶	1805 ⁴	41.9	82.6	1.20	30.5	4.3
PHY 444 WRF	1284 ¹⁰	2355 ⁵	1887 ⁵	1691 ¹⁴	1804 ⁵	44.0	84.0	1.22	32.0	3.7
DP 1133 B2RF	1481 ⁵	2093 ¹⁸	1852 ^{8T}	1768 ⁹	1799 ⁶	43.0	83.5	1.17	31.6	4.4
ST 5032GLT	1140 ¹⁷	2299 ⁷	1813 ¹¹	1912 ^{2T}	1791 ⁷	41.3	82.1	1.18	31.1	3.8
DP 0912 B2RF	1164 ¹⁶	2400 ³	1782 ¹³	1774 ⁸	1780 ⁸	41.3	83.1	1.12	30.0	4.7
ST 5115GLT	1334 ⁹	2248 ¹⁰	1915 ³	1609 ²²	1776 ⁹	41.6	82.1	1.15	30.7	3.9
SSG UA 222	1208 ¹⁵	2374 ⁴	1866 ⁶	1636 ¹⁹	1771 ¹⁰	42.0	83.4	1.19	30.9	4.1
DP 1321 B2RF	1357 ⁸	2178 ¹³	1800 ¹²	1720 ¹¹	1764 ¹¹	42.2	83.9	1.16	30.8	4.4
NG 1511 B2RF	1380 ⁶	2089 ¹⁹	1855 ⁷	1678 ¹⁷	1750 ¹²	43.0	82.9	1.15	30.6	4.3
DP 1137 B2RF	1367 ⁷	2167 ¹⁵	1822 ¹⁰	1630 ²⁰	1747 ¹³	42.2	82.7	1.14	29.5	4.5
PHY 487 WRF	1637 ²	2100 ¹⁷	1757 ¹⁴	1462 ²⁵	1739 ¹⁴	41.9	82.3	1.14	30.5	4.1
PHY 339 WRF	1260 ¹³	2184 ¹²	1662 ¹⁶	1780 ⁶	1722 ¹⁵	41.8	82.8	1.19	30.6	4.1
SSG HQ 210 CT	1218 ¹⁴	1924 ²³	1646 ¹⁸	1989 ¹	1694 ¹⁶	40.7	82.7	1.14	31.5	4.3
MON 12R224B2R2	1035 ²¹	2202 ¹¹	1675 ¹⁵	1785 ⁵	1674 ¹⁷	41.9	83.5	1.17	30.5	3.9
GA 2010102	1103 ¹⁸	2166 ¹⁶	1628 ¹⁹	1733 ¹⁰	1658 ¹⁸	40.6	83.7	1.18	33.5	4.4
GA 2009037	1067 ²⁰	2291 ⁸	1625 ²⁰	1479 ²⁴	1616 ¹⁹	42.2	82.7	1.16	32.5	4.4
BRS 335	893 ²³	2050 ²¹	1658 ¹⁷	1641 ¹⁸	1560 ²⁰	40.6	82.6	1.16	32.1	3.9
GA 2010074	876 ²⁴	2171 ¹⁴	1503 ²³	1687 ¹⁵	1559 ²¹	41.5	83.4	1.18	31.0	4.4
DG 2355 B2RF	1010 ²²	1892 ²⁵	1522 ²¹	1777 ⁷	1550 ²²	40.0	82.7	1.17	31.3	4.0
GA 2009100	872 ²⁵	2040 ²²	1410 ²⁵	1700 ¹²	1505 ²³	40.1	83.0	1.15	32.1	4.5
SSG CT Linwood	1079 ¹⁹	1906 ²⁴	1472 ²⁴	1391 ²⁶	1462 ²⁴	41.1	83.3	1.13	31.5	4.6
BRS 286	834 ²⁶	1631 ²⁷	1514 ²²	1791 ⁴	1442 ²⁵	40.6	82.7	1.14	31.8	4.4
BRS 293	738 ²⁷	1733 ²⁶	1346 ²⁶	1540 ²³	1339 ²⁶	40.5	82.8	1.14	31.5	4.3
Average	1211	2155	1721	1702	1697	41.7	83.0	1.16	31.2	4.2
LSD 0.10	246	205	187	218	178	1.5	0.6	0.02	1.4	0.2
CV %	17.3	8.1	9.3	10.9	10.8	2.1	1.0	2.00	4.0	6.3

^a Superscripts indicate ranking at that location.

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

Two-Year Summary of Earlier Maturity Cotton Varieties at Four Locations^a, 2013-2014, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
PHY 499 WRF	1871	43.6	83.4		1.15	31.4	4.7
PHY 444 WRF	1849	43.6	84.0		1.24	31.7	3.8
PHY 333 WRF	1822	42.6	83.5		1.18	30.6	4.3
PHY 487 WRF	1809	42.0	82.5		1.14	30.1	4.3
ST 4946GLB2	1797	41.6	83.3		1.16	31.1	4.6
NG 1511 B2RF	1750	44.0	83.6		1.16	31.2	4.6
DP 0912 B2RF	1729	41.0	83.3		1.13	30.2	4.9
DP 1321 B2RF	1729	42.1	83.8		1.17	30.5	4.6
SSG AU 222	1729	41.9	83.7		1.20	30.8	4.4
PHY 427 WRF	1710	40.8	83.3		1.15	30.5	4.3
SSG HQ 210 CT	1706	40.9	82.6		1.14	31.3	4.6
PHY 399 WRF	1705	41.8	83.2		1.19	30.4	4.2
GA 2009037	1656	41.5	82.8		1.18	31.8	4.5
GA 2009100	1591	41.0	83.5		1.19	32.8	4.4
SSG CT Linwood	1475	41.1	83.3		1.14	32.0	4.8
Average	1729	42.0	83.3		1.17	31.1	4.5
LSD 0.10	67	0.5	0.5		0.02	0.7	0.1
CV %	9.4	2.8	1.1		2.3	3.9	5.3

^a Bainbridge, Midville, Plains, and Tifton.

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

Bainbridge, Georgia:
Later Maturity Cotton Variety Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
MON 14R1456B2R2	2141	44.0	83.6	1.18	32.7	4.5
DP 1454NR B2RF	2087	43.7	82.8	1.11	30.3	4.8
DP 1252 B2RF	1992	45.6	84.6	1.18	30.1	4.6
MON 14R1455B2R2	1923	44.5	83.9	1.20	32.7	4.5
PHY 499 WRF	1916	44.1	83.9	1.15	32.4	4.1
DG 2610 B2RF	1869	43.1	84.0	1.17	30.1	4.3
NG 1511 B2RF	1799	43.2	84.0	1.15	33.1	4.6
CG 3787 B2RF	1767	44.1	83.8	1.17	29.9	4.3
MON 13R352B2R2	1757	45.6	84.6	1.23	33.0	4.4
PHY 333 WRF	1754	42.8	84.6	1.22	31.1	3.8
DP 1050 B2RF	1730	44.5	84.0	1.16	29.6	4.4
NG 5315 B2RF	1724	42.4	83.8	1.16	30.2	4.3
ST 6182GLT	1671	46.1	83.1	1.18	30.4	3.9
ST 4747GLB2	1607	42.4	82.7	1.20	29.0	4.1
PHY 495 W3RF	1599	42.9	84.0	1.13	33.6	3.9
DP 1137 B2RF	1578	43.4	83.6	1.15	29.7	4.4
ST 4946GLB2	1520	41.9	83.0	1.15	31.3	3.9
PHY 575 WRF	1473	39.8	82.7	1.17	31.1	3.8
ST 6448GLB2	1384	41.0	84.9	1.24	30.1	4.1
ST 5289GLT	1370	40.5	82.2	1.14	30.1	3.7
GA 2010076	1357	39.8	84.0	1.19	31.7	4.3
PX554063WRF	1346	43.4	83.9	1.18	33.0	3.6
BX 1535GLT	1313	40.2	83.9	1.22	33.3	3.6
PX 554010 WRF	1213	43.4	85.3	1.20	31.2	4.0
GA 2009100	1165	38.2	84.5	1.18	32.8	4.4
BX 1536GLT	1028	40.4	83.8	1.14	32.1	3.4
GA 2010019	1022	41.2	83.3	1.15	32.3	3.8
GA 230	919	38.2	84.0	1.24	31.4	3.6
BRS 269	883	38.0	84.2	1.21	33.7	4.0
Average	1549	42.4	83.8	1.20	31.4	4.1
LSD 0.10	261	0.7	1.3	0.04	2.1	0.3
CV %	14.3	1.4	0.9	2.10	3.9	4.2

Bainbridge, Georgia: Later Maturity Cotton Variety Performance, 2014, Irrigated (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 13, 2014.

Harvested: October 6, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Very High, K = Medium, and pH = 5.9.

Fertilization: 26 lb N, 77 lb P_2O_5 , and 58 lb K_2O /acre.

Sidedress: 130 lb N, 150 lb K_2O , and 23 lb S/acre.

Previous Crop: Corn.

Management: Disked and subsoiled; Roundup, Valor, and MSMA used for weed control; Acephate, Prevathon, Transform 50, and Bidrin used for insect control.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.40	5.60	4.80	0.00
Rainfall (in):	0.85	1.70	0.95	2.20	4.70

Trials conducted by A. Coy, J. Greene, R. Brooke, D. Dunn, and B. McCranie.

**Midville, Georgia:
Later Maturity Cotton Variety Performance, 2014, Irrigated**

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
MON 14R1456B2R2	2559	45.5	83.6	1.18	32.6	4.5
PHY 495 W3RF	2420	45.4	84.1	1.16	32.7	4.2
ST 4946GLB2	2401	43.5	84.1	1.19	32.1	4.3
DP 1454NR B2RF	2287	44.2	83.3	1.17	31.0	4.3
NG 1511 B2RF	2273	44.1	83.1	1.18	30.0	4.3
PX554063WRF	2244	43.9	84.2	1.19	32.1	3.8
PHY 333 WRF	2238	44.5	82.9	1.20	31.0	4.0
ST 4747GLB2	2231	42.4	83.1	1.24	30.8	4.2
MON 14R1455B2R2	2219	45.2	83.7	1.19	32.9	4.4
GA 2010076	2215	41.0	82.4	1.18	31.9	4.5
PX 554010 WRF	2207	44.2	83.7	1.19	31.5	3.9
ST 6182GLT	2206	47.8	83.2	1.18	29.4	4.1
GA 2010019	2203	43.2	82.6	1.16	32.1	4.1
PHY 499 WRF	2203	43.1	83.2	1.17	30.0	4.2
DP 1137 B2RF	2193	44.2	83.3	1.17	29.0	4.3
BX 1535GLT	2184	41.2	83.9	1.25	33.8	4.0
DP 1050 B2RF	2163	45.7	83.3	1.20	29.5	4.0
GA 2009100	2143	38.6	83.2	1.23	33.3	4.1
ST 5289GLT	2140	44.4	83.2	1.17	31.0	4.3
ST 6448GLB2	2134	42.0	83.4	1.22	31.5	4.2
DP 1252 B2RF	2128	45.6	83.3	1.16	29.0	4.3
BX 1536GLT	2113	43.0	84.6	1.18	32.1	4.1
MON 13R352B2R2	2107	45.3	83.4	1.21	33.4	4.2
PHY 575 WRF	2091	41.5	84.0	1.24	31.3	4.0
NG 5315 B2RF	2061	43.8	83.7	1.22	30.5	3.9
CG 3787 B2RF	2036	42.7	83.7	1.17	30.1	4.0
GA 230	2019	42.5	83.9	1.21	31.0	4.0
DG 2610 B2RF	1945	42.5	83.5	1.21	30.1	3.9
BRS 269	1759	40.7	82.9	1.19	34.1	4.1
Average	2177	43.5	83.4	1.20	31.3	4.1
LSD 0.10	178	1.0	N.S. ¹	0.04	2.6	0.3
CV %	6.9	1.9	1.0	2.00	5.0	4.6

Midville, Georgia: Later Maturity Cotton Variety Performance, 2014, Irrigated (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 14, 2014.

Harvested: October 21, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.1.

Fertilization: 30 lb N, 40 lb P₂O₅, and 70 lb K₂O/acre. Sidedress: 80 lb N/acre.

Previous Crop: Corn.

Management: Disked, subsoiled, and bedded; Acumen, Reflex, Prowl, Staple, Warrant, Acephate, Layby Pro, and MSMA used for weed control; Bidrin and Prevathon used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.00	1.50	3.50	3.75	0.50	0.00
Rainfall (in):	9.21	2.98	5.95	2.58	3.73	0.33

Trials conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
PHY 333 WRF	2052	44.8	84.0	1.15	29.2	4.5
ST 4946GLB2	1955	42.6	82.5	1.16	32.8	4.6
ST 6182GLT	1924	48.4	82.8	1.14	29.9	4.7
PX 554010 WRF	1924	43.9	84.3	1.15	31.6	4.4
PX554063WRF	1913	43.4	82.9	1.17	32.6	4.2
PHY 495 W3RF	1909	43.5	83.4	1.09	32.4	4.6
NG 1511 B2RF	1898	44.5	84.3	1.14	31.8	4.8
PHY 499 WRF	1871	44.1	84.8	1.14	32.3	4.8
MON 14R1455B2R2	1843	44.8	83.4	1.17	33.8	4.7
DP 1454NR B2RF	1839	44.0	82.6	1.12	29.6	4.7
ST 4747GLB2	1833	42.1	82.1	1.18	29.2	4.5
CG 3787 B2RF	1831	44.9	83.8	1.15	29.4	4.8
DG 2610 B2RF	1828	44.8	85.1	1.14	29.8	4.6
MON 14R1456B2R2	1769	43.8	84.6	1.17	32.8	5.1
GA 2010019	1767	42.5	82.3	1.15	30.0	4.5
GA 2010076	1729	41.0	83.5	1.20	32.3	4.9
PHY 575 WRF	1722	40.5	83.2	1.18	32.2	4.3
DP 1137 B2RF	1689	44.6	83.3	1.14	30.1	4.5
ST 5289GLT	1687	41.5	81.4	1.13	30.1	4.6
DP 1252 B2RF	1656	45.9	84.2	1.15	29.8	4.9
GA 2009100	1619	39.9	83.1	1.17	33.6	4.9
ST 6448GLB2	1617	41.1	82.5	1.23	30.4	4.1
MON 13R352B2R2	1616	46.3	83.1	1.16	33.3	4.6
BX 1536GLT	1574	42.7	83.7	1.14	32.7	4.1
GA 230	1533	40.0	83.6	1.22	32.0	4.5
BX 1535GLT	1521	41.0	82.2	1.17	32.8	4.2
NG 5315 B2RF	1463	44.5	84.2	1.12	30.5	4.6
DP 1050 B2RF	1362	44.1	83.8	1.12	30.4	4.4
BRS 269	1336	40.1	83.0	1.15	32.5	4.9
Average	1734	43.3	83.3	1.20	31.4	4.6
LSD 0.10	181	0.7	1.2	0.04	1.6	0.3
CV %	8.9	1.4	0.9	2.00	2.9	3.6

Plains, Georgia: Later Maturity Cotton Variety Performance, 2014, Irrigated (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 12, 2014.

Harvested: October 28, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.7.

Fertilization: 10 lb N, 25 lb P₂O₅, and 0 lb K₂O/acre. Sidedress: 85 lb N/acre.

Previous Crop: Soybeans.

Management: Disked, chisel plowed, subsoiled, and bedded; Prowl, Reflex, Staple, Diuron, and MSMA used for weed control; Orthene, Bidrin, and Bifenthrin used for insect control; Mepiquat used for PGR.

	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Irrigation (in):	0	0	2.60	2.00	2.00	5.00	0	0	0
Rainfall (in):	3.40	7.91	1.25	1.87	2.70	1.00	2.67	2.85	4.28

Trials conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Tifton, Georgia: Later Maturity Cotton Variety Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
DP 1558NR BWRP	1800	43.3	82.9	1.16	30.7	4.9
ST 6182GLT	1776	43.7	82.9	1.15	29.3	4.3
CG 3787 B2RF	1757	43.1	82.9	1.16	27.2	4.5
ST 5289GLT	1731	42.6	82.4	1.14	28.7	4.4
PX554063WRF	1718	43.9	82.8	1.17	30.7	4.2
GA 230	1710	41.7	84.0	1.15	30.5	4.4
DG 2610 B2RF	1708	42.6	82.7	1.15	28.1	4.6
BX 1536GLT	1702	41.3	81.6	1.17	29.5	4.4
NG 1511 B2RF	1687	43.3	82.5	1.14	28.7	4.4
ST 4946GLB2	1686	40.8	83.5	1.16	30.8	4.6
GA 2010019	1677	39.7	82.1	1.15	29.5	4.3
ST 6448GLB2	1667	43.4	81.2	1.14	30.4	4.1
PX 554010 WRF	1653	41.1	82.2	1.17	29.8	4.5
PHY 575 WRF	1641	43.4	82.4	1.16	28.8	4.4
DP 1555 B2RF	1638	42.0	82.3	1.19	30.5	4.2
DP 1252 B2RF	1632	45.2	82.1	1.13	27.9	4.6
PHY 333 WRF	1627	40.5	81.8	1.17	30.8	4.4
NG 5315 B2RF	1624	43.2	82.5	1.17	28.8	4.5
DP 1050 B2RF	1623	43.0	81.1	1.14	28.8	4.2
DP 1454NR B2RF	1621	41.9	82.7	1.13	29.0	4.3
BRS 269	1615	41.7	82.8	1.18	30.6	4.8
DP 1137 B2RF	1613	41.4	82.7	1.16	27.9	4.4
ST 4747GLB2	1607	40.2	81.5	1.17	29.7	4.0
BX 1535GLT	1550	39.4	82.1	1.20	31.3	4.1
MON 14R1455B2R2	1547	42.2	81.7	1.16	29.1	4.3
PHY 499 WRF	1545	39.4	82.8	1.19	29.7	4.2
GA 2009100	1541	38.8	82.4	1.20	30.7	4.4
GA 2010076	1533	40.1	82.3	1.19	31.1	4.4
PHY 495 W3RF	1474	40.3	81.8	1.16	30.7	4.7
Average	1645	41.8	82.3	1.16	29.6	4.4
LSD 0.10	N.S. ¹	1.7	N.S.	N.S.	N.S.	N.S.
CV %	11.8	3.5	1.2	2.7	5.1	6.7

* Percent lint fractions were determined from plot seed cotton ginned in the Micro-Gin located on the UGA Tifton Campus. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 6, 2014.

Harvested: October 13, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 18 lb N, 36 lb P₂O₅, and 108 lb K₂O/acre. Sidedress: 75 lb N and 30 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Reflex, Cotoran, and Prowl used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

(Gibbs Farm, Tifton)	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	1.25	1.25	2.25	0.75
Rainfall (in):	6.10	2.96	2.82	3.38	5.93

Trials conducted by A. Coy, S. Willis, R. Brooke, D. Dunn, and B. McCranie.

Yield Summary of Later Maturity Cotton Varieties, 2014, Irrigated

Variety	Lint Yield ^a					Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Bainbridge	Midville	Plains lb/acre	Tifton	4-Loc. Average					
MON 14R1456B2R2	2141 ¹	2559 ¹	1769 ¹³	1800 ¹	2067 ¹	44.1	83.6	1.17	32.2	4.7
DP 1454NR B2RF	2087 ²	2287 ⁴	1839 ⁹	1621 ²⁰	1959 ²	43.4	82.8	1.13	30.0	4.5
PHY 333 WRF	1754 ¹⁰	2238 ⁷	2052 ¹	1627 ¹⁷	1918 ³	43.2	83.3	1.18	30.5	4.2
NG 1511 B2RF	1799 ⁷	2273 ⁵	1898 ⁶	1687 ⁹	1914 ⁴	43.8	83.4	1.15	30.9	4.5
ST 6182GLT	1671 ¹³	2206 ¹²	1924 ^{3T}	1776 ²	1894 ⁵	46.5	83.0	1.16	29.7	4.2
ST 4946GLB2	1520 ¹⁷	2401 ³	1955 ²	1686 ¹⁰	1891 ⁶	42.2	83.3	1.16	31.7	4.3
PHY 499 WRF	1916 ⁵	2203 ^{13T}	1871 ⁷	1545 ²⁶	1884 ⁷	42.7	83.6	1.16	31.1	4.3
MON 14R1455B2R2	1923 ⁴	2219 ⁹	1843 ⁸	1547 ²⁵	1883 ⁸	44.2	83.2	1.18	32.1	4.5
DP 1252 B2RF	1992 ³	2128 ²⁰	1656 ¹⁹	1632 ¹⁶	1852 ⁹	45.6	83.5	1.15	29.2	4.6
PHY 495 W3RF	1599 ¹⁵	2420 ²	1909 ⁵	1474 ²⁹	1851 ¹⁰	43.0	83.3	1.14	32.3	4.3
CG 3787 B2RF	1767 ⁸	2036 ²⁵	1831 ¹¹	1757 ³	1848 ¹¹	43.7	83.5	1.16	29.1	4.4
DG 2610 B2RF	1869 ⁶	1945 ²⁷	1828 ¹²	1708 ⁷	1837 ¹²	43.2	83.8	1.17	29.5	4.3
ST 4747GLB2	1607 ¹⁴	2231 ⁸	1833 ¹⁰	1607 ²³	1819 ¹³	41.8	82.3	1.20	29.7	4.2
PX554063WRF	1346 ²²	2244 ⁶	1913 ⁴	1718 ⁵	1805 ¹⁴	43.6	83.4	1.18	32.1	3.9
MON 13R352B2R2	1757 ⁹	2107 ²²	1616 ²²	1638 ¹⁵	1779 ¹⁵	44.8	83.4	1.19	32.5	4.3
DP 1137 B2RF	1578 ¹⁶	2193 ¹⁴	1689 ¹⁷	1613 ²²	1768 ¹⁶	43.4	83.2	1.15	29.1	4.4
PX 554010 WRF	1213 ²⁴	2207 ¹¹	1924 ^{3T}	1653 ¹³	1749 ¹⁷	43.2	83.8	1.17	31.0	4.2
ST 5289GLT	1370 ²⁰	2140 ¹⁸	1687 ¹⁸	1731 ⁴	1732 ^{18T}	42.2	82.3	1.14	30.0	4.2
PHY 575 WRF	1473 ¹⁸	2091 ²³	1722 ¹⁶	1641 ¹⁴	1732 ^{18T}	41.3	83.1	1.19	30.8	4.1
DP 1050 B2RF	1730 ¹¹	2163 ¹⁶	1362 ²⁷	1623 ¹⁹	1719 ¹⁹	44.3	83.0	1.15	29.5	4.2
NG 5315 B2RF	1724 ¹²	2061 ²⁴	1463 ²⁶	1624 ¹⁸	1718 ²⁰	43.5	83.5	1.16	30.0	4.3
GA 2010076	1357 ²¹	2215 ¹⁰	1729 ¹⁵	1533 ²⁸	1708 ²¹	40.5	83.0	1.19	31.7	4.5
ST 6448GLB2	1384 ¹⁹	2134 ¹⁹	1617 ²¹	1667 ¹²	1700 ²²	41.9	83.0	1.20	30.6	4.1
GA 2010019	1022 ²⁷	2203 ^{13T}	1767 ¹⁴	1677 ¹¹	1667 ²³	41.7	82.6	1.15	31.0	4.1
BX 1535GLT	1313 ²³	2184 ¹⁵	1521 ²⁵	1550 ²⁴	1642 ²⁴	40.4	83.0	1.21	32.8	4.0
GA 2009100	1165 ²⁵	2143 ¹⁷	1619 ²⁰	1541 ²⁷	1617 ²⁵	38.9	83.3	1.19	32.6	4.4
BX 1536GLT	1028 ²⁶	2113 ²¹	1574 ²³	1702 ⁸	1604 ²⁶	41.9	83.4	1.15	31.6	4.0
GA 230	919 ²⁸	2019 ²⁶	1533 ²⁴	1710 ⁶	1545 ²⁷	40.6	83.8	1.20	31.2	4.1
BRS 269	883 ²⁹	1759 ²⁸	1336 ²⁸	1615 ²¹	1398 ²⁸	40.1	83.2	1.18	32.7	4.4
Average	1549	2177	1734	1645	1776	42.7	83.2	1.17	30.9	4.3
LSD 0.10	261	178	181	N.S. ¹	218	1.3	0.8	0.02	0.9	0.2
CV %	14.3	6.9	8.9	11.8	10.3	2.2	1.0	2.20	4.3	4.9

^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 Later Maturity Cotton Varieties at Four Locations^a, 2013-2014, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
DP 1454NR B2RF	1853	42.9	83.0		1.14	30.3	4.7
DP 1252 B2RF	1832	45.0	84.0		1.16	29.1	4.8
CG 3787 B2RF	1829	43.9	83.8		1.17	29.4	4.6
MON 13R352BR2	1819	44.2	83.6		1.21	32.5	4.4
NG 1511 B2RF	1819	43.9	83.6		1.15	30.9	4.7
PHY 499 WRF	1809	43.0	84.1		1.17	31.5	4.6
PX 554010 WRF	1805	44.1	83.9		1.17	30.8	4.2
ST 4747GLB2	1776	41.9	82.9		1.21	30.2	4.3
DP 1137 B2RF	1748	43.2	83.6		1.16	29.5	4.5
PHY 575 WRF	1742	40.8	83.7		1.22	30.9	4.2
DP 1050 B2RF	1732	44.3	83.7		1.17	28.9	4.5
DG 2610 B2RF	1727	43.5	84.1		1.18	29.6	4.5
ST 6448GLB2	1696	41.1	83.6		1.22	30.7	4.4
NG 5315 B2RF	1682	43.6	84.0		1.18	29.7	4.5
GA 230	1558	40.2	83.7		1.23	31.1	4.2
Average	1762	43.0	83.7		1.18	30.3	4.5
LSD 0.10	66	0.4	0.5		0.02	0.7	0.1
CV %	9.1	2.5	0.9		2.2	4.1	4.4

^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).

Midville, Georgia: Cotton Strains Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
DG CT14515	2757	48.0	83.3	1.18	31.9	4.2
PX559001WRF	2506	47.4	82.7	1.16	32.1	4.4
GA 2011124	2477	46.8	83.7	1.15	30.0	4.9
PX3003-14WRF	2465	43.6	83.3	1.15	29.8	4.1
PX559006WRF	2427	43.9	83.3	1.19	31.8	3.9
PX453915WRF	2408	41.6	84.4	1.22	32.7	3.9
GA 2011158	2403	43.7	84.5	1.20	32.1	4.2
GA 2011004	2263	45.9	85.1	1.23	31.4	4.5
PX565215WRF	2262	42.8	83.5	1.19	31.4	4.0
PX453318WRF	2239	42.0	82.9	1.17	29.4	4.3
GA 2012073	2224	44.3	84.3	1.21	33.4	4.3
GA 2012031	2172	45.9	84.2	1.18	30.8	4.1
Average	2384	44.7	83.7	1.20	31.4	4.2
LSD 0.10	186	1.6	0.8	0.02	N.S. ¹	0.4
CV %	6.5	3.0	0.5	1.10	1.3	5.9

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 14, 2014.

Harvested: October 21, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton loamy sand.

Soil Test: P = High, K = Medium, and pH = 6.1.

Fertilization: 30 lb N, 40 lb P₂O₅, and 70 lb K₂O/acre. Sidedress: 80 lb N/acre.

Previous Crop: Corn.

Management: Disked, subsoiled, and bedded; Acumen, Reflex, Prowl, Staple, Warrant, Acephate, Layby Pro, and MSMA used for weed control; Bidrin and Prevathon used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.00	1.50	3.50	3.75	0.50	0.00
Rainfall (in):	9.21	2.98	5.95	2.58	3.73	0.33

Trials conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia: Cotton Strains Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
PX3003-14WRF	1588	43.5	81.6	1.11	29.9	4.8
PX565215WRF	1586	44.4	83.4	1.16	31.5	4.3
PX559001WRF	1535	44.0	82.6	1.13	32.1	4.3
GA 2011124	1526	44.0	82.0	1.13	31.8	4.9
GA 2012031	1505	45.3	82.0	1.11	30.4	4.8
PX453318WRF	1500	44.5	84.2	1.16	29.2	4.8
PX559006WRF	1497	43.1	81.6	1.14	29.5	4.2
PX453915WRF	1462	41.7	83.4	1.20	31.0	4.4
GA 2011158	1439	42.7	83.2	1.09	29.5	5.1
DG CT14515	1313	44.3	82.1	1.15	30.3	4.6
GA 2012073	1269	43.2	83.6	1.17	32.8	4.7
GA 2011004	1245	46.7	83.4	1.17	30.9	4.7
Average	1455	43.9	82.7	1.10	30.7	4.6
LSD 0.10	179	1.1	N.S. ¹	0.05	N.S.	0.3
CV %	10.2	2.1	1.1	2.30	4.1	3.8

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 12, 2014.

Harvested: October 28, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.7.

Fertilization: 10 lb N, 25 lb P₂O₅, and 0 lb K₂O/acre. Sidedress: 85 lb N/acre.

Previous Crop: Soybeans.

Management: Disked, chisel plowed, subsoiled, and bedded; Prowl, Reflex, Staple, Diuron, and MSMA used for weed control; Orthene, Bidrin, and Bifenthrin used for insect control; Mepiquat used for PGR.

	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Irrigation (in):	0	0	2.60	2.00	2.00	5.00	0	0	0
Rainfall (in):	3.40	7.91	1.25	1.87	2.70	1.00	2.67	2.85	4.28

Trials conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Tifton, Georgia: Cotton Strains Performance, 2014, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
PX559001WRF	2241	47.5	83.4	1.15	31.7	4.5
PX453915WRF	2189	41.3	85.1	1.22	32.6	4.0
GA 2011124	2171	47.0	83.5	1.13	30.3	4.9
GA 2011004	2162	45.3	84.3	1.19	29.4	5.0
PX453318WRF	2083	45.0	84.3	1.17	30.3	4.4
GA 2012031	2070	44.9	84.6	1.16	31.0	4.4
PX3003-14WRF	1989	42.8	83.3	1.16	29.7	4.3
PX559006WRF	1976	42.9	83.2	1.15	30.9	4.3
PX565215WRF	1970	43.3	85.5	1.21	32.3	4.2
GA 2011158	1960	42.9	84.1	1.17	31.6	4.7
GA 2012073	1784	42.4	84.3	1.21	33.0	4.4
DG CT14515	1767	43.6	83.6	1.19	32.9	4.1
Average	2030	44.1	84.1	1.17	31.3	4.4
LSD 0.10	234	1.1	1.3	0.02	N.S. ¹	0.2
CV %	9.6	2.1	0.8	1.01	4.0	3.2

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 6, 2014.

Harvested: October 7, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 18 lb N, 36 lb P₂O₅, and 108 lb K₂O/acre. Sidedress: 75 lb N and 30 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Reflex, Cotoran, and Prowl used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

(Gibbs Farm, Tifton)	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	1.25	1.25	2.25	0.75
Rainfall (in):	6.10	2.96	2.82	3.38	5.93

Trials conducted by A. Coy, S. Willis, R. Brooke, D. Dunn, and B. McCranie.

Yield Summary of Cotton Strains, 2014, Irrigated

Variety	Lint Yield ^a				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
PX559001WRF	2506 ²	1535 ³	2241 ¹	2094 ¹	46.3	82.9	1.15	32.0	4.4
GA 2011124	2477 ³	1526 ⁴	2171 ³	2058 ²	45.9	83.1	1.13	30.7	4.9
PX453915WRF	2408 ⁶	1462 ⁸	2189 ²	2020 ³	41.5	84.3	1.21	32.1	4.1
PX3003-14WRF	2465 ⁴	1588 ¹	1989 ⁷	2014 ⁴	43.3	82.7	1.14	29.8	4.4
PX559006WRF	2427 ⁵	1497 ⁷	1976 ⁸	1967 ⁵	43.3	82.7	1.16	30.7	4.1
DG CT14515	2757 ¹	1313 ¹⁰	1767 ¹²	1946 ⁶	45.3	83.0	1.17	31.7	4.3
PX453318WRF	2239 ¹⁰	1500 ⁶	2083 ⁵	1940 ⁷	43.8	83.8	1.16	29.6	4.5
PX565215WRF	2262 ⁹	1586 ²	1970 ⁹	1939 ⁸	43.5	84.1	1.19	31.7	4.1
GA 2011158	2403 ⁷	1439 ⁹	1960 ¹⁰	1934 ⁹	43.1	83.9	1.15	31.1	4.7
GA 2012031	2172 ¹²	1505 ⁵	2070 ⁶	1916 ¹⁰	45.3	83.6	1.15	30.7	4.4
GA 2011004	2263 ⁸	1245 ¹²	2162 ⁴	1890 ¹¹	46.0	84.3	1.19	30.6	4.7
GA 2012073	2224 ¹¹	1269 ¹¹	1784 ¹¹	1759 ¹²	43.3	84.1	1.19	33.0	4.5
Average	2384	1455	2030	1956	44.2	83.5	1.17	31.1	4.4
LSD 0.10	186	179	218	N.S. ¹	1.7	0.8	0.02	1.1	0.2
CV %	6.5	10.2	10.9	8.6	2.4	0.9	1.55	4.1	4.4

^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).

Athens, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
PHY 444 WRF	1448	46.7	83.3	1.19	30.8	4.5
PHY 487 WRF	1432	42.6	80.9	1.05	28.3	5.1
PHY 499 WRF	1396	44.5	82.2	1.08	30.4	5.0
ST 4946GLB2	1282	42.9	81.6	1.12	29.5	5.0
PHY 333 WRF	1266	45.2	82.3	1.12	30.1	4.8
ST 5032GLT	1262	42.1	81.3	1.15	29.5	4.4
NG 1511 B2RF	1242	43.8	84.6	1.11	30.2	4.8
PHY 427 WRF	1227	42.1	82.1	1.10	29.6	4.6
PHY 339 WRF	1214	43.2	82.9	1.11	29.7	4.6
BX 5115GLT	1195	44.2	81.0	1.10	30.4	4.8
SSG UA 222	1171	43.9	82.9	1.13	29.8	5.0
MON 12R224B2R2	1168	42.8	81.0	1.14	28.5	4.9
DP 1137 B2RF	1162	43.7	81.6	1.07	27.7	5.3
DP 1321 B2RF	1107	43.1	81.4	1.13	30.0	4.8
SSG HQ 210 CT	1085	41.4	80.7	1.04	29.1	5.3
ST 4747GLB2	1083	43.3	81.3	1.12	27.2	4.9
DP 1133 B2RF	1077	44.4	83.2	1.12	30.6	5.2
BRS 335	1063	43.1	81.7	1.07	28.5	5.0
GA 2010074	1059	42.2	83.3	1.13	30.1	5.3
DP 0912 B2RF	1050	42.8	81.5	1.07	28.6	5.2
GA 2010102	1016	40.6	83.2	1.14	34.7	5.4
SSG CT Linwood	1013	43.6	82.4	1.04	30.8	5.6
DG 2355 B2RF	985	41.2	81.6	1.09	28.8	4.9
GA 2009037	850	43.0	82.1	1.13	31.0	5.1
BRS 293	830	42.1	81.8	1.09	31.2	5.1
GA 2009100	770	39.8	83.0	1.15	32.2	5.5
BRS 286	676	42.0	81.1	1.03	29.7	5.2
Average	1116	43.0	82.1	1.10	29.9	5.0
LSD 0.10	202	0.9	N.S. ¹	0.03	2.0	0.3
CV %	15.4	1.7	1.5	1.60	3.9	3.8

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 7, 2014.

Harvested: October 31, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Cecil sandy loam.

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

Fertilization: 60 lb N, 60 lb P₂O₅, and 60 lb K₂O/acre. Sidedress: 0 lb N/acre.

Previous Crop: Soybeans.

Management: Disked, chisel plowed, and field cultivated; Trifurian used for weed control; Telone II used for nematode control; Pix used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	4.11	4.72	2.92	2.26	1.22	2.78

Trials conducted by H. Jordan, G. Ware, and K. Roach.

Midville, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
NG 1511 B2RF	2031	45.3	83.2	1.14	31.6	4.7
PHY 333 WRF	1942	43.5	84.4	1.21	32.7	4.1
ST 4946GLB2	1882	42.3	83.1	1.15	31.0	4.5
PHY 499 WRF	1853	44.2	83.1	1.15	32.2	4.3
PHY 444 WRF	1815	43.1	83.9	1.26	31.9	3.6
DP 0912 B2RF	1812	41.0	83.3	1.13	30.6	4.7
PHY 339 WRF	1770	41.6	83.6	1.21	31.3	4.2
ST 4747GLB2	1762	41.3	83.3	1.21	30.5	4.2
SSG UA 222	1759	42.3	82.5	1.19	31.5	3.6
DP 1133 B2RF	1735	45.5	84.5	1.18	32.4	4.5
GA 2010074	1707	40.3	83.6	1.20	33.0	4.4
PHY 487 WRF	1704	41.8	83.0	1.15	30.6	4.4
MON 12R224B2R2	1672	40.4	84.3	1.19	29.5	4.3
DP 1321 B2RF	1670	42.2	83.9	1.17	32.0	4.9
BX 5115GLT	1638	41.3	82.8	1.15	30.8	4.4
GA 2009100	1631	38.7	84.1	1.19	33.8	4.9
SSG CT Linwood	1590	41.5	82.8	1.16	33.4	4.8
SSG HQ 210 CT	1589	39.1	83.4	1.14	33.7	4.6
BRS 293	1583	40.6	83.3	1.15	34.1	4.6
GA 2009037	1581	40.3	82.8	1.20	31.6	4.4
ST 5032GLT	1576	40.1	83.7	1.23	32.5	4.1
PHY 427 WRF	1573	39.8	82.5	1.17	30.5	3.9
DP 1137 B2RF	1547	42.7	82.8	1.15	29.7	4.4
BRS 335	1524	40.1	83.4	1.21	32.9	4.1
GA 2010102	1490	37.9	84.0	1.19	35.5	4.7
DG 2355 B2RF	1363	38.0	83.9	1.17	30.6	4.1
BRS 286	1348	39.6	81.7	1.15	31.5	4.4
Average	1672	41.3	83.3	1.20	31.9	4.3
LSD 0.10	138	1.4	1.2	0.03	2.3	0.3
CV %	7.0	2.9	0.8	1.60	4.2	4.7

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 14, 2014.

Harvested: October 22, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: 30 lb N, 80 lb P₂O₅, and 70 lb K₂O/acre. Sidedress: 80 lb N/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Acumen, Reflex, Prowl, Staple, Warrant, Acephate, Layby Pro, and MSMA used for weed control; Bidrin and Prevathon used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	9.21	2.98	5.95	2.58	3.73	0.33

Trials conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
PHY 333 WRF	738	43.0	82.3	1.12	27.5	3.9
NG 1511 B2RF	696	42.0	81.4	1.09	29.0	4.4
ST 4747GLB2	642	40.8	81.6	1.18	28.7	4.1
DP 1321 B2RF	586	41.3	83.1	1.13	30.5	4.6
BX 5115GLT	576	40.6	80.1	1.10	30.4	3.9
ST 4946GLB2	568	40.4	82.5	1.14	30.7	4.1
DP 1133 B2RF	556	43.5	82.3	1.10	30.0	4.6
DP 0912 B2RF	553	40.4	81.0	1.07	28.6	4.5
PHY 499 WRF	543	43.0	82.4	1.09	30.3	4.5
SSG CT Linwood	538	40.4	82.1	1.08	29.9	5.0
MON 12R224B2R2	537	38.6	82.7	1.14	28.2	4.0
SSG UA 222	536	40.6	81.7	1.14	29.5	4.4
PHY 427 WRF	535	40.1	80.9	1.09	28.6	3.8
GA 2009100	530	38.7	81.2	1.11	30.9	4.6
DG 2355 B2RF	511	36.7	81.2	1.11	29.4	4.3
DP 1137 B2RF	501	41.2	81.6	1.08	27.7	4.3
PHY 444 WRF	492	42.6	81.2	1.20	29.5	3.7
BRS 335	491	39.1	81.7	1.11	29.2	4.1
PHY 339 WRF	475	40.7	82.8	1.15	30.7	3.8
PHY 487 WRF	469	40.2	80.8	1.09	27.7	4.3
BRS 286	456	39.2	80.7	1.10	29.8	4.3
GA 2009037	454	39.9	79.2	1.11	28.5	4.3
SSG HQ 210 CT	446	37.4	81.4	1.12	30.8	4.4
GA 2010074	420	38.9	81.3	1.12	29.5	4.7
ST 5032GLT	399	37.6	81.4	1.16	32.3	3.5
GA 2010102	384	38.8	82.1	1.14	34.2	4.6
BRS 293	367	39.2	81.9	1.08	31.3	4.4
Average	518	40.2	81.6	1.10	29.7	4.2
LSD 0.10	124	1.3	1.6	0.04	2.1	0.4
CV %	20.4	2.7	1.1	1.99	4.2	5.52

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 12, 2014.

Harvested: November 6, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.7.

Fertilization: 21 lb N, 55 lb P₂O₅, and 60 lb K₂O/acre. Sidedress: 85 lb N/acre.

Previous Crop: Corn.

Management: Disked, chisel plowed, subsoiled, and bedded; Prowl, Reflex, Staple, Diuron, and MSMA used for weed control; Orthene, Bidrin, and Bifenthrin used for insect control; Mepiquat used for PGR.

Rainfall (in):	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
	3.40	7.91	1.25	1.87	2.70	1.00	2.67	2.85	4.28

Trials conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Tifton, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
DP 0912 B2RF	1790	42.7	84.0	1.11	30.9	4.7
NG 1511 B2RF	1611	43.1	83.3	1.13	31.4	4.8
PHY 339 WRF	1599	42.9	84.0	1.22	32.1	4.1
ST 5115GLT	1594	41.7	83.6	1.16	32.5	4.2
PHY 444 WRF	1583	44.7	85.3	1.26	33.4	4.0
PHY 499 WRF	1580	43.6	84.8	1.14	33.4	4.7
ST 5032GLT	1570	39.6	83.7	1.21	31.4	4.1
PHY 487 WRF	1557	43.3	83.1	1.13	30.1	4.4
SSG UA 222	1556	41.5	84.4	1.24	33.2	4.4
DP 1133 B2RF	1536	44.8	85.4	1.19	32.5	4.8
PHY 333 WRF	1532	44.3	84.1	1.17	30.5	4.3
PHY 427 WRF	1506	41.3	83.8	1.16	31.0	4.2
BRS 335	1463	40.2	84.4	1.19	32.2	4.1
DP 1321 B2RF	1438	43.3	84.6	1.18	32.1	4.8
GA 2010074	1431	41.2	84.7	1.22	35.6	4.7
ST 4747GLB2	1414	42.4	83.0	1.21	30.5	4.2
GA 2009037	1405	42.0	84.0	1.19	33.4	4.4
BRS 286	1392	41.0	83.3	1.17	33.5	4.4
DP 1137 B2RF	1374	43.0	83.9	1.16	30.4	4.5
SSG HQ 210 CT	1352	38.6	83.2	1.13	31.2	4.2
DG 2355 B2RF	1343	39.5	83.0	1.16	30.6	4.1
BRS 293	1334	40.9	83.3	1.12	32.2	4.6
ST 4946GLB2	1329	41.1	84.1	1.19	33.5	4.4
GA 2009100	1300	38.9	84.3	1.18	35.2	4.9
MON 12R224B2R2	1164	42.4	84.1	1.17	30.8	4.2
SSG CT Linwood	1159	40.6	84.2	1.12	32.4	5.0
GA 2010102	1152	40.0	84.8	1.19	36.0	4.9
Average	1447	41.8	84.0	1.17	32.3	4.4
LSD 0.10	232	1.0	1.2	0.04	1.9	0.4
CV %	13.6	2.0	0.8	1.81	3.4	4.6

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 6, 2014.

Harvested: October 2, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 18 lb N, 36 lb P₂O₅, and 108 lb K₂O/acre. Sidedress: 75 lb N and 30 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Reflex, Cotoran, and Prowl used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

(Gibbs Farm, Tifton)	May	June	July	Aug.	Sept.
Rainfall (in):	6.10	2.96	2.82	3.38	5.93

Trials conducted by A. Coy, S. Willis, R. Brooke, D. Dunn, and B. McCranie.

Yield Summary of Dryland Earlier Maturity Cotton Varieties, 2014

Variety	Lint Yield ^a					Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains lb/acre	Tifton	4-Loc. Average					
NG 1511 B2RF	1242 ⁷	2031 ¹	696 ²	1611 ²	1395 ¹	43.6	83.1	1.11	30.5	4.6
PHY 333 WRF	1266 ⁵	1942 ²	738 ¹	1532 ¹¹	1369 ²	44.0	83.3	1.15	30.2	4.3
PHY 499 WRF	1396 ³	1853 ⁴	543 ⁹	1580 ⁶	1343 ³	43.8	83.1	1.11	31.6	4.6
PHY 444 WRF	1448 ¹	1815 ⁵	492 ¹⁷	1583 ⁵	1335 ⁴	44.3	83.4	1.23	31.4	3.9
DP 0912 B2RF	1050 ²⁰	1812 ⁶	553 ⁸	1790 ¹	1301 ⁵	41.7	82.4	1.09	29.6	4.7
PHY 487 WRF	1432 ²	1704 ¹²	469 ²⁰	1557 ⁸	1290 ⁶	42.0	82.0	1.10	29.2	4.5
ST 4946GLB2	1282 ⁴	1882 ³	568 ⁶	1329 ²³	1265 ⁷	41.6	82.8	1.15	31.2	4.5
PHY 339 WRF	1214 ⁹	1770 ⁷	475 ¹⁹	1599 ³	1264 ⁸	42.1	83.3	1.17	30.9	4.1
SSG UA 222	1171 ¹¹	1759 ⁹	536 ¹²	1556 ⁹	1256 ⁹	42.1	82.9	1.17	31.0	4.3
BX 5115GLT	1195 ¹⁰	1638 ¹⁵	576 ⁵	1594 ⁴	1251 ¹⁰	42.0	81.9	1.13	31.0	4.3
DP 1133 B2RF	1077 ¹⁷	1735 ¹⁰	556 ⁷	1536 ¹⁰	1226 ¹¹	44.5	83.8	1.15	31.3	4.8
ST 4747GLB2	1083 ¹⁶	1762 ⁸	642 ³	1414 ¹⁶	1225 ¹²	42.0	82.3	1.18	29.2	4.3
PHY 427 WRF	1227 ⁸	1573 ²²	535 ¹³	1506 ¹²	1210 ¹³	40.8	82.3	1.13	29.9	4.1
ST 5032GLT	1262 ⁶	1576 ²¹	399 ²⁵	1570 ⁷	1202 ¹⁴	39.8	82.5	1.19	31.4	4.0
DP 1321 B2RF	1107 ¹⁴	1670 ¹⁴	586 ⁴	1438 ¹⁴	1200 ¹⁵	42.5	83.2	1.15	31.1	4.7
GA 2010074	1059 ¹⁹	1707 ¹¹	420 ²⁴	1431 ¹⁵	1154 ¹⁶	40.7	83.2	1.17	32.0	4.7
DP 1137 B2RF	1162 ¹³	1547 ²³	501 ¹⁶	1374 ¹⁹	1146 ¹⁷	42.7	82.5	1.11	28.8	4.6
BRS 335	1063 ¹⁸	1524 ²⁴	491 ¹⁸	1463 ¹³	1135 ^{18T}	40.6	82.8	1.14	30.7	4.3
MON 12R224B2R2	1168 ¹²	1672 ¹³	537 ¹¹	1164 ²⁵	1135 ^{18T}	41.0	83.0	1.16	29.2	4.3
SSG HQ 210 CT	1085 ¹⁵	1589 ¹⁸	446 ²³	1352 ²⁰	1118 ¹⁹	39.1	82.2	1.11	31.2	4.6
SSG CT Linwood	1013 ²²	1590 ¹⁷	538 ¹⁰	1159 ²⁶	1075 ²⁰	41.5	82.9	1.10	31.6	5.1
GA 2009037	850 ²⁴	1581 ²⁰	454 ²²	1405 ¹⁷	1072 ²¹	41.3	82.0	1.16	31.1	4.5
GA 2009100	770 ²⁶	1631 ¹⁶	530 ¹⁴	1300 ²⁴	1058 ²²	39.0	83.1	1.16	33.0	5.0
DG 2355 B2RF	985 ²³	1363 ²⁶	511 ¹⁵	1343 ²¹	1051 ²³	38.9	82.4	1.13	29.8	4.3
BRS 293	830 ²⁵	1583 ¹⁹	367 ²⁷	1334 ²²	1029 ²⁴	40.7	82.5	1.11	32.2	4.7
GA 2010102	1016 ²¹	1490 ²⁵	384 ²⁶	1152 ²⁷	1011 ²⁵	39.3	83.5	1.16	35.1	4.9
BRS 286	676 ²⁷	1348 ²⁷	456 ²¹	1392 ¹⁸	968 ²⁶	40.4	81.7	1.11	31.1	4.6
Average	1116	1672	518	1447	1188	41.6	82.7	1.14	30.9	4.5
LSD 0.10	202	138	124	232	134	0.8	0.8	0.02	1.0	0.2
CV %	15.4	7.0	20.4	13.6	12.8	2.4	1.1	1.80	4.0	4.6

^a Superscripts indicate ranking at that location.

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

Two-Year Summary of Dryland Earlier Maturity Cotton Varieties at Four Locations^a, 2013-2014

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
PHY 333 WRF	1599	44.8	83.9		1.17	30.9	4.3
PHY 499 WRF	1571	44.7	83.5		1.13	32.1	4.7
PHY 444 WRF	1562	44.6	83.8		1.24	31.6	3.8
PHY 487 WRF	1532	43.1	82.6		1.12	29.8	4.5
NG 1511 B2RF	1525	44.3	83.6		1.13	30.9	4.7
ST 4946GLB2	1485	42.4	83.0		1.14	31.3	4.6
PHY 399 WRF	1468	42.8	83.7		1.18	31.0	4.3
DP 0912 B2RF	1451	42.0	82.9		1.11	30.2	4.7
SSG AU 222	1444	42.7	83.4		1.18	30.8	4.4
PHY 427 WRF	1414	41.4	82.9		1.15	30.7	4.1
SSG HQ 210 CT	1392	40.5	82.4		1.11	31.0	4.6
DP 1321 B2RF	1381	43.4	83.6		1.14	31.0	4.8
GA 2009037	1347	42.0	82.3		1.17	31.2	4.6
SSG CT Linwood	1293	42.5	83.5		1.12	32.7	5.0
GA 2009100	1282	41.5	83.8		1.18	33.3	4.6
Average	1450	42.9	83.3		1.15	31.2	4.5
LSD 0.10	68	0.4	0.6		0.01	0.8	0.1
CV %	11.3	2.4	1.2		2.0	4.2	4.8

^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, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
PHY 499 WRF	1471	45.4	83.4	1.09	33.5	5.1
PHY 333 WRF	1423	44.7	81.3	1.13	30.0	4.6
ST 6448GLB2	1409	43.8	82.4	1.13	30.3	5.2
MON 14R1456B2R2	1402	45.0	83.4	1.11	33.3	5.4
ST 4946GLB2	1355	43.2	82.5	1.09	30.9	5.0
PX554063WRF	1342	45.2	83.6	1.13	32.7	4.8
PHY 495 W3RF	1282	44.7	83.4	1.06	32.3	5.1
BX 1535GLT	1272	43.6	82.5	1.13	32.1	5.0
ST 4747GLB2	1235	43.6	82.3	1.14	29.3	4.9
ST 5289GLT	1234	43.6	81.7	1.06	28.9	5.1
DP 1454NR B2RF	1208	45.5	82.3	1.10	29.5	5.2
PX 554010 WRF	1198	45.0	82.7	1.05	30.0	4.7
GA 2010076	1196	42.1	82.7	1.14	32.8	5.2
CG 3787 B2RF	1183	45.6	82.4	1.12	31.0	5.2
MON 13R352B2R2	1156	46.0	82.3	1.11	31.4	5.1
GA 2010019	1144	44.1	83.6	1.14	31.9	4.9
MON 14R1455B2R2	1120	45.4	82.4	1.11	33.3	5.2
PHY 575 WRF	1104	42.4	84.1	1.12	32.0	4.8
NG 1511 B2RF	1102	44.4	82.0	1.09	30.8	5.1
DP 1252 B2RF	1055	46.0	84.3	1.14	30.4	5.1
DG 2610 B2RF	1049	45.1	84.3	1.13	29.6	5.0
DP 1050 B2RF	1026	45.3	84.0	1.12	28.8	5.1
GA 230	1015	42.6	84.4	1.19	32.5	4.8
DP 1137 B2RF	1014	43.8	83.7	1.09	28.4	5.1
BX 1536GLT	945	42.9	81.5	1.10	30.9	4.6
GA 2009100	937	40.5	83.4	1.15	32.3	5.4
NG 5315 B2RF	896	45.2	84.1	1.11	29.2	4.8
ST 6182GLT	786	49.3	82.4	1.10	29.2	5.2
BRS 269	679	40.9	84.6	1.15	33.2	5.1
Average	1146	44.3	83.0	1.10	31.0	5.0
LSD 0.10	194	0.8	1.7	0.04	1.6	0.3
CV %	14.4	1.6	1.2	2.00	3.0	3.4

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 7, 2014.

Harvested: October 31, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Cecil sandy loam.

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

Fertilization: 60 lb N, 60 lb P₂O₅, and 60 lb K₂O/acre. Sidedress: 0 lb N/acre.

Previous Crop: Soybeans.

Management: Disked, chisel plowed, and field cultivated; Trifurian used for weed control; Telone II used for nematode control; Pix used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	4.11	4.72	2.92	2.26	1.22	2.78

Trials conducted by H. Jordan, G. Ware, and K. Roach.

Midville, Georgia: Dryland Later Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
PHY 333 WRF	1950	42.4	83.7	1.21	29.9	3.7
ST 4946GLB2	1929	41.5	83.9	1.18	32.5	4.1
PHY 499 WRF	1867	43.8	83.1	1.13	30.6	4.7
CG 3787 B2RF	1758	44.6	83.9	1.19	29.2	4.4
ST 4747GLB2	1718	40.5	82.3	1.21	29.9	4.2
ST 6182GLT	1714	48.8	82.8	1.17	29.2	4.4
PHY 495 W3RF	1707	43.4	83.9	1.17	31.9	4.4
NG 1511 B2RF	1697	42.8	82.1	1.14	29.3	4.4
BX 1536GLT	1661	41.9	83.7	1.18	32.0	3.9
PX554063WRF	1651	43.7	83.4	1.20	32.5	4.0
PHY 575 WRF	1642	40.4	83.7	1.22	30.0	4.0
DP 1137 B2RF	1629	42.8	81.6	1.13	28.3	4.6
GA 2010076	1597	39.7	83.3	1.20	31.9	4.2
MON 14R1455B2R2	1593	43.3	83.9	1.20	32.4	4.4
DP 1050 B2RF	1590	45.1	83.6	1.18	29.7	4.7
ST 6448GLB2	1576	41.0	83.3	1.23	30.8	4.3
PX 554010 WRF	1563	43.0	82.8	1.16	31.0	3.9
DP 1454NR B2RF	1553	42.9	81.7	1.12	28.6	4.6
ST 5289GLT	1551	41.1	82.5	1.16	30.6	4.3
MON 14R1456B2R2	1494	44.4	84.0	1.16	32.1	4.8
MON 13R352B2R2	1492	45.4	82.8	1.18	32.1	4.3
DG 2610 B2RF	1480	43.0	82.5	1.17	29.7	4.4
GA 2010019	1469	41.1	82.8	1.15	30.0	4.6
DP 1252 B2RF	1448	45.3	83.7	1.16	30.4	4.5
NG 5315 B2RF	1426	44.3	82.6	1.17	28.7	4.4
GA 230	1400	40.7	82.5	1.25	31.1	4.1
BX 1535GLT	1393	40.2	83.5	1.22	33.8	4.5
GA 2009100	1286	39.1	82.9	1.18	33.1	4.4
BRS 269	1215	40.6	82.9	1.20	31.9	4.6
Average	1588	42.7	83.1	1.20	30.8	4.3
LSD 0.10	168	0.7	1.3	0.03	2.2	0.3
CV %	9.0	1.5	0.9	1.60	4.2	3.6

Midville, Georgia: Dryland Later Maturity Cotton Variety Performance, 2014 (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 14, 2014.

Harvested: October 22, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Dothan loamy sand.

Soil Test: P = Medium, K = Medium, and pH = 6.2.

Fertilization: 30 lb N, 80 lb P_2O_5 , and 70 lb K_2O /acre. Sidedress: 80 lb N/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Acumen, Reflex, Prowl, Staple, Warrant, Acephate, Layby Pro, and MSMA used for weed control; Bidrin and Prevathon used for insect control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	9.21	2.98	5.95	2.58	3.73	0.33

Trials conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.

Plains, Georgia: Dryland Later Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
NG 1511 B2RF	664	42.4	82.8	1.13	30.0	4.3
PX 554010 WRF	654	42.2	81.9	1.10	28.1	3.9
CG 3787 B2RF	643	42.3	82.2	1.10	28.1	4.1
PX554063WRF	616	41.8	83.2	1.15	30.3	4.3
ST 4946GLB2	615	40.2	83.5	1.15	30.7	4.1
GA 230	578	37.1	81.0	1.18	29.6	3.9
GA 2010019	575	40.4	82.0	1.11	29.2	4.1
MON 14R1456B2R2	571	43.3	82.4	1.10	30.5	4.7
NG 5315 B2RF	567	42.9	82.4	1.11	27.0	4.2
PHY 333 WRF	561	42.0	83.6	1.18	28.9	4.0
DP 1137 B2RF	531	42.0	81.6	1.11	26.7	4.4
ST 4747GLB2	523	38.7	79.8	1.17	28.3	4.0
DP 1454NR B2RF	518	41.6	81.9	1.11	29.2	4.5
DP 1050 B2RF	512	42.3	82.1	1.11	27.6	4.2
GA 2010076	511	39.6	82.6	1.14	31.0	4.6
DP 1252 B2RF	507	43.1	83.8	1.13	28.7	4.5
MON 14R1455B2R2	496	43.6	81.6	1.09	29.4	4.4
PHY 575 WRF	495	38.1	82.3	1.14	28.6	3.8
ST 5289GLT	481	40.3	81.8	1.12	27.9	4.3
DG 2610 B2RF	480	41.0	82.6	1.12	27.6	4.2
PHY 495 W3RF	477	41.9	82.6	1.12	30.8	4.2
MON 13R352B2R2	468	43.2	82.5	1.12	30.6	4.2
BX 1536GLT	442	37.9	84.2	1.15	32.1	3.8
PHY 499 WRF	426	42.7	83.1	1.13	30.5	4.5
ST 6182GLT	417	45.9	82.4	1.13	28.6	4.4
GA 2009100	397	36.1	80.0	1.12	30.1	4.6
BRS 269	381	37.3	81.0	1.16	31.2	4.4
BX 1535GLT	376	38.2	82.5	1.18	32.5	3.9
ST 6448GLB2	346	37.6	81.2	1.18	28.3	4.0
Average	511	40.9	82.2	1.10	29.3	4.2
LSD 0.10	108	0.9	1.8	0.04	1.7	0.3
CV %	18.0	1.9	1.3	1.30	3.4	4.3

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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

Planted: May 12, 2014.

Harvested: November 6, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = High, and pH = 6.7.

Fertilization: 21 lb N, 55 lb P₂O₅, and 60 lb K₂O/acre. Sidedress: 85 lb N/acre.

Previous Crop: Corn.

Management: Disked, chisel plowed, subsoiled, and bedded; Prowl, Reflex, Staple, Diuron, and MSMA used for weed control; Orthene, Bidrin, and Bifenthrin used for insect control; Mepiquat used for PGR.

Rainfall (in):	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
	3.40	7.91	1.25	1.87	2.70	1.00	2.67	2.85	4.28

Trials conducted by A. Coy, D. Pearce, W. Jones, R. Brooke, D. Dunn, and B. McCranie.

Tifton, Georgia: Dryland Later Maturity Cotton Variety Performance, 2014

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
PHY 333 WRF	2175	43.5	84.1	1.22	31.6	4.2
ST 4946GLB2	2055	41.7	83.5	1.18	32.6	4.6
PHY 499 WRF	2055	43.6	83.9	1.17	34.8	4.6
GA 2010076	2047	40.5	85.1	1.25	35.0	4.5
CG 3787 B2RF	2044	44.3	84.1	1.21	29.7	4.6
PHY 495 W3RF	1958	42.8	84.5	1.15	33.3	4.2
NG 1511 B2RF	1909	43.2	83.8	1.17	30.4	4.5
DP 1454NR B2RF	1889	43.3	82.7	1.13	30.4	4.8
ST 4747GLB2	1881	41.6	82.9	1.23	31.2	4.1
PX 554010 WRF	1874	45.2	83.6	1.18	32.2	4.3
ST 6448GLB2	1868	41.3	81.4	1.22	30.4	4.3
DP 1050 B2RF	1866	43.4	84.2	1.21	29.5	4.5
BX 1536GLT	1852	42.3	83.9	1.16	35.3	4.1
GA 2010019	1849	40.5	83.5	1.20	32.3	4.2
DG 2610 B2RF	1841	42.6	83.5	1.18	29.7	4.4
DP 1137 B2RF	1773	43.0	84.1	1.20	30.6	4.6
ST 6182GLT	1771	47.0	83.3	1.21	32.0	4.7
BX 1535GLT	1764	40.2	83.1	1.25	34.8	4.2
PHY 575 WRF	1764	40.5	83.9	1.22	31.3	4.2
GA 2009100	1742	39.0	83.7	1.21	33.6	4.9
BRS 269	1738	40.7	83.5	1.20	34.1	4.6
GA 230	1734	37.4	83.3	1.28	31.8	4.0
DP 1252 B2RF	1720	46.2	84.4	1.16	30.1	4.8
ST 5289GLT	1714	41.7	83.3	1.18	32.1	4.3
MON 14R1455B2R2	1700	44.3	83.8	1.17	33.2	4.7
DP 1555 B2RF	1697	45.2	82.5	1.19	32.5	4.4
PX554063WRF	1671	43.8	84.8	1.22	33.0	4.2
DP 1558NR BWRF	1668	43.1	82.1	1.16	33.1	4.9
NG 5315 B2RF	1666	42.3	83.3	1.17	29.6	4.3
Average	1837	42.6	83.6	1.19	32.1	4.4
LSD 0.10	216	1.1	N.S. ¹	0.04	1.5	0.3
CV %	10.0	2.3	1.2	2.12	2.7	4.3

Tifton, Georgia: Dryland Later Maturity Cotton Variety Performance, 2014 (Continued)

* A random sample was taken on the picker during harvest and ginned in a small gin in the gin house on the UGA Tifton Campus to determine percent lint fraction. A lint sample was sent to the USDA classing office in Macon, GA, for quality testing.

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 6, 2014.

Harvested: October 7, 2014.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.5.

Fertilization: 18 lb N, 36 lb P_2O_5 , and 108 lb K_2O /acre. Sidedress: 75 lb N and 30 lb K_2O /acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Reflex, Cotoran, and Prowl used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

(Gibbs Farm, Tifton)	May	June	July	Aug.	Sept.
Rainfall (in):	6.10	2.96	2.82	3.38	5.93

Trials conducted by A. Coy, S. Willis, R. Brooke, D. Dunn, and B. McCranie.

Yield Summary of Dryland Later Maturity Cotton Varieties, 2014

Variety	Lint Yield ^a				4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains lb/acre	Tifton						
PHY 333 WRF	1423 ²	1950 ¹	561 ¹⁰	2175 ¹	1527 ¹	43.2	83.2	1.18	30.1	4.1
ST 4946GLB2	1355 ⁵	1929 ²	615 ⁵	2055 ^{2T}	1488 ²	41.6	83.3	1.15	31.6	4.4
PHY 499 WRF	1471 ¹	1867 ³	426 ²⁴	2055 ^{2T}	1455 ³	43.9	83.4	1.13	32.4	4.7
CG 3787 B2RF	1183 ¹⁴	1758 ⁴	643 ³	2044 ⁴	1407 ⁴	44.2	83.1	1.15	29.5	4.6
PHY 495 W3RF	1282 ⁷	1707 ⁷	477 ²¹	1958 ⁵	1356 ⁵	43.2	83.6	1.12	32.0	4.4
NG 1511 B2RF	1102 ¹⁹	1697 ⁸	664 ¹	1909 ⁶	1343 ⁶	43.2	82.7	1.13	30.1	4.6
ST 4747GLB2	1235 ⁹	1718 ⁵	523 ¹²	1881 ⁸	1339 ⁷	41.1	81.8	1.19	29.7	4.3
GA 2010076	1196 ¹³	1597 ¹³	511 ¹⁵	2047 ³	1337 ⁸	40.5	83.4	1.18	32.7	4.6
PX 554010 WRF	1198 ¹²	1563 ¹⁷	654 ²	1874 ⁹	1322 ⁹	43.9	82.7	1.12	30.3	4.2
PX554063WRF	1342 ⁶	1651 ¹⁰	616 ⁴	1671 ²⁵	1320 ¹⁰	43.6	83.7	1.17	32.1	4.3
ST 6448GLB2	1409 ³	1576 ¹⁶	346 ²⁹	1868 ¹⁰	1300 ¹¹	40.9	82.0	1.19	29.9	4.4
DP 1454NR B2RF	1208 ¹¹	1553 ¹⁸	518 ¹³	1889 ⁷	1292 ¹²	43.3	82.1	1.11	29.4	4.7
MON 14R1456B2R2	1402 ⁴	1494 ²⁰	571 ⁸	1668 ²⁶	1284 ¹³	43.9	82.9	1.13	32.2	4.9
GA 2010019	1144 ¹⁶	1469 ²³	575 ⁷	1849 ¹³	1259 ¹⁴	41.5	83.0	1.15	30.8	4.4
PHY 575 WRF	1104 ¹⁸	1642 ¹¹	495 ¹⁸	1764 ^{17T}	1251 ¹⁵	40.4	83.5	1.17	30.5	4.2
DP 1050 B2RF	1026 ²²	1590 ¹⁵	512 ¹⁴	1866 ¹¹	1248 ¹⁶	44.0	83.5	1.15	28.9	4.6
ST 5289GLT	1234 ¹⁰	1551 ¹⁹	481 ¹⁹	1714 ²²	1245 ¹⁷	41.7	82.3	1.13	29.8	4.5
DP 1137 B2RF	1014 ²⁴	1629 ¹²	531 ¹¹	1773 ¹⁵	1237 ¹⁸	42.9	82.7	1.13	28.5	4.7
MON 14R1455B2R2	1120 ¹⁷	1593 ¹⁴	496 ¹⁷	1700 ²³	1227 ¹⁹	44.1	82.9	1.14	32.1	4.6
BX 1536GLT	945 ²⁵	1661 ⁹	442 ²³	1852 ¹²	1225 ²⁰	41.3	83.3	1.15	32.5	4.1
DG 2610 B2RF	1049 ²¹	1480 ²²	480 ²⁰	1841 ¹⁴	1213 ²¹	43.0	83.2	1.15	29.1	4.5
MON 13R352B2R2	1156 ¹⁵	1492 ²¹	468 ²²	1697 ²⁴	1204 ²²	45.0	82.5	1.15	31.6	4.5
BX 1535GLT	1272 ⁸	1393 ²⁷	376 ²⁸	1764 ^{17T}	1201 ²³	40.5	82.9	1.19	33.3	4.4
GA 230	1015 ²³	1400 ²⁶	578 ⁶	1734 ²⁰	1182 ^{24T}	39.4	82.8	1.23	31.2	4.2
DP 1252 B2RF	1055 ²⁰	1448 ²⁴	507 ¹⁶	1720 ²¹	1182 ^{24T}	45.2	84.0	1.15	29.9	4.7
ST 6182GLT	786 ²⁸	1714 ⁶	417 ²⁵	1771 ¹⁶	1172 ²⁵	47.7	82.7	1.15	29.7	4.7
NG 5315 B2RF	896 ²⁷	1426 ²⁵	567 ⁹	1666 ²⁷	1139 ²⁶	43.7	83.1	1.14	28.6	4.4
GA 2009100	937 ²⁶	1286 ²⁸	397 ²⁶	1742 ¹⁸	1090 ²⁷	38.7	82.5	1.17	32.3	4.8
BRS 269	679 ²⁹	1215 ²⁹	381 ²⁷	1738 ¹⁹	1003 ²⁸	39.9	83.0	1.17	32.6	4.6
Average	1146	1588	511	1837	1271	42.6	83.0	1.15	30.8	4.5
LSD 0.10	194	168	108	216	137	0.9	0.9	0.20	0.9	0.2
CV %	14.4	9.0	18.0	10.0	11.8	1.8	1.2	1.97	3.4	3.9

^a Superscripts indicate ranking at that location.

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

Two-Year Summary of Dryland Later Maturity Cotton Varieties at Four Locations^a, 2013-2014

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
PHY 499 WRF	1561	44.7	83.9		1.14	32.2	4.7
ST 4747GLB2	1550	42.9	82.6		1.20	30.5	4.4
PX 554010 WRF	1516	44.9	83.6		1.14	30.7	4.3
NG 1511 B2RF	1503	44.3	83.3		1.14	30.5	4.7
CG 3787 B2RF	1487	44.9	84.0		1.17	29.9	4.6
ST 6448GLB2	1455	42.1	82.8		1.20	30.6	4.4
MON 13R352B2R2	1431	45.4	83.4		1.18	32.0	4.5
PHY 575 WRF	1421	42.0	83.7		1.20	30.4	4.2
DP 1050 B2RF	1385	44.9	83.6		1.16	29.3	4.6
DP 1454NR B2RF	1385	44.1	82.7		1.13	30.4	4.8
DP 1137 B2RF	1380	44.0	83.4		1.14	29.0	4.7
DP 1252 B2RF	1348	45.0	83.7		1.15	29.4	4.8
DG 2610 B2RF	1301	43.6	83.6		1.16	29.5	4.5
NG 5315 B2RF	1290	44.5	83.7		1.15	28.9	4.6
GA 230	1288	41.2	83.2		1.23	31.6	4.3
Average	1420	43.9	83.4		1.17	30.3	4.5
LSD 0.10	62	0.4	0.6		0.01	0.7	0.1
CV%	10.6	2.2	1.1		1.8	3.7	4.4

^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, 2014

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
CC 1063	3464	5511	159.8	77	21	43.2	77	2.39	16.2	6.78
PVH 2310	3167	5398	170.5	82	22	46.4	81	2.08	16.0	7.67
PVH 2110	3520	5223	148.1	73	22	42.9	83	2.19	17.6	8.02
PVH 2254	3350	5169	152.3	75	21	43.9	83	1.88	20.0	10.63
PVH 2275	3418	5087	148.2	73	21	43.4	79	2.62	16.4	6.25
CC 143	3530	5057	144.9	72	22	43.9	80	1.67	18.6	11.10
GL 395	3398	4664	137.3	69	20	41.7	79	2.66	15.9	5.98
NC 71	2727	4553	166.8	84	21	39.3	87	2.30	19.0	8.25
CC 13	3377	4552	134.0	68	22	42.7	78	2.30	17.2	7.48
PVH 1452	3116	4490	145.5	71	21	43.7	80	2.09	17.2	8.27
K 326	2679	4473	166.8	84	21	39.7	86	2.36	17.3	7.33
NC 939	3566	4424	124.4	62	20	41.3	82	2.36	13.6	5.78
CC 27	3372	4414	132.1	66	20	41.0	78	2.49	18.6	7.47
SP 225	3097	4407	140.1	70	21	43.5	79	2.32	16.3	7.03
GF 318	3671	4360	118.7	60	20	38.8	81	2.22	19.5	8.79
CC 700	3287	4340	132.1	66	19	39.5	78	2.27	15.7	6.90
GL 338	3187	4337	136.0	67	19	41.6	70	2.62	15.2	5.81
NC 92	3741	4266	114.4	57	20	43.0	85	2.53	17.7	6.99
NC 938	3505	4266	121.7	61	20	40.1	88	2.01	17.2	8.55
GL 398	3445	4251	120.3	61	21	41.2	ND	1.85	19.5	10.54
NC 196	3391	4155	122.3	61	22	47.2	83	1.98	18.2	9.18
CC 37	2922	4065	136.6	66	20	39.8	82	2.14	18.6	8.70
NC 95	2448	4020	164.1	83	22	45.5	85	2.04	17.7	8.68
CC 35	3041	3975	128.4	62	21	44.2	ND	2.32	16.7	7.21
SP 168	3357	3852	113.9	57	19	39.2	78	2.32	17.7	7.63
K 346	3089	3838	122.5	61	19	38.9	75	2.17	17.2	7.95
NC 925	3107	3750	119.7	61	20	37.3	83	2.29	17.3	7.57
NC2326	2164	3674	169.5	86	20	41.1	74	2.80	16.7	5.96
NC 297	2885	3603	121.9	61	20	39.1	80	2.42	16.7	6.89
NC 72	3158	3597	114.2	57	21	43.4	85	2.16	18.5	8.55
CC 33	2676	3351	127.4	64	19	38.0	91	2.10	16.2	7.73
CC 67	2217	2692	121.1	60	19	36.9	77	2.41	15.5	6.41
LSD @ 0.05	580.3	1279.7	29.2	13.3						

Conducted on an Ocilla loamy sand soil fertilized with 1000 lbs/acre of 6-6-18 and 119 lbs/acre 15.5-0-0 with plants spaced 20-22 inches apart in 44-inch rows. Irrigated as needed.

1. Price Index based on two year average (2011-2012) prices for U.S. government grades due to market inflation for 2014.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

Researched by S. LaHue and W. Gay with support 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, 2012, 2013, and 2014

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
3 Year Average 2012, 2013 and 2014										
PVH 2110	3118	5082	164	81	21	44.3	79	1.90	17.8	9.63
PVH 2254	3038	5073	166	81	20	43.1	77	1.80	19.6	10.90
CC 700	3170	4903	154	77	19	40.7	73	1.96	16.7	8.65
GF 318	3303	4846	147	74	20	41.8	74	1.99	18.9	9.61
PVH 2275	2943	4760	162	80	20	41.6	74	2.21	16.6	7.73
PVH 1452	2972	4755	161	79	20	42.1	75	2.06	16.7	8.13
CC 1063	2913	4732	163	80	19	41.2	73	2.23	17.3	7.85
GL 338	2976	4703	159	78	19	41.5	70	2.22	16.7	7.89
K 326	2869	4599	161	79	20	39.8	77	2.10	18.1	8.72
NC 71	2747	4486	160	81	20	39.7	78	2.01	18.8	9.51
SP 168	3097	4424	144	72	19	39.1	77	2.19	17.7	8.19
GL 395	2916	4393	153	76	20	41.8	73	2.16	16.1	7.69
CC 27	3007	4376	146	72	20	41.6	76	1.96	17.3	9.06
CC 35	2934	4364	148	72	20	44.1	81	2.00	17.2	8.87
CC 37	2916	4284	145	71	19	40.3	77	1.93	17.6	9.16
NC 72	2997	4282	143	71	19	42.2	78	1.93	18.4	9.57
NC 196	2894	4247	149	74	21	43.6	78	1.87	18.6	10.00
CC 33	2750	4191	152	75	19	40.7	79	1.92	17.5	9.66
NC 92	3260	4122	127	63	20	42.6	77	2.31	18.0	7.86
NC 925	2901	4110	142	71	18	39.0	74	2.17	17.4	8.15
K 346	2837	4105	144	71	19	41.3	72	2.09	17.8	8.54
CC 67	2598	4065	154	76	19	40.4	72	2.20	15.6	7.36
NC 297	2854	4051	140	70	20	40.2	75	2.15	17.6	8.37
NC 95	2685	3957	149	75	20	43.9	77	2.55	16.9	7.32
NC2326	2296	3446	151	76	18	39.3	68	2.54	17.2	6.99

Tifton, Georgia:
Three- and Two-Year Averages of Official Flue-Cured Tobacco
Variety Test - Comparison of Released Varieties
for Certain Characteristics, 2012, 2013, and 2014 (Continued)

Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant number	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
2 Year Average 2013-2014										
PVH 2254	3212	5273	163	79	21	45.0	76	1.72	18.6	10.82
PVH 2110	3314	5198	158	79	22	46.3	77	1.87	18.3	10.18
PVH 2275	3120	5085	164	80	20	43.0	74	2.17	16.4	7.94
GF 318	3467	5082	148	74	20	42.7	73	1.95	19.0	9.87
CC 1063	3071	5009	164	80	20	42.8	72	2.14	16.8	8.01
PVH 1452	3116	4973	160	79	21	43.4	73	1.94	16.2	8.34
GL 338	3147	4885	156	77	19	42.9	68	2.14	16.4	8.18
CC 700	3263	4884	149	75	20	41.4	72	1.97	16.1	8.42
CC 27	3196	4777	151	74	20	42.8	76	2.02	17.4	8.97
NC 71	2846	4751	167	84	20	40.4	78	1.95	18.6	9.84
K 326	2796	4668	167	84	20	40.9	76	2.09	17.6	8.58
GL 395	3151	4661	150	75	20	43.4	73	2.22	16.1	7.55
CC 37	3048	4630	150	73	19	41.4	76	1.89	17.0	9.00
NC 92	3477	4574	133	67	20	43.7	77	2.25	17.2	7.75
SP 168	3235	4530	141	70	19	39.2	76	2.10	18.0	8.70
K 346	3068	4505	146	71	20	41.9	70	2.03	17.4	8.64
NC 72	3060	4410	144	71	21	44.3	79	1.97	18.1	9.26
CC 35	2920	4250	145	70	21	46.0	80	1.92	16.6	9.05
NC 297	2905	4247	144	72	21	42.2	74	2.10	17.7	8.74
NC 95	2555	4195	164	83	20	45.2	77	1.98	17.5	8.84
NC 925	2957	4148	141	71	19	38.6	74	2.03	16.9	8.41
CC 33	2762	4022	146	72	20	41.5	80	1.74	17.3	10.55
CC 67	2587	3962	149	74	19	40.6	71	2.05	16.0	8.14
NC2326	2258	3834	170	86	18	41.5	68	2.36	16.8	7.39

Conducted on an Ocilla loamy sand soil fertilized with 1000 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. Irrigated as needed.

1. Price Index based on two year average 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 S. LaHue and W.Gay with support by grants from the Georgia Tobacco Commission.

Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test -
Comparison of Varieties for Certain Characteristics, 2014

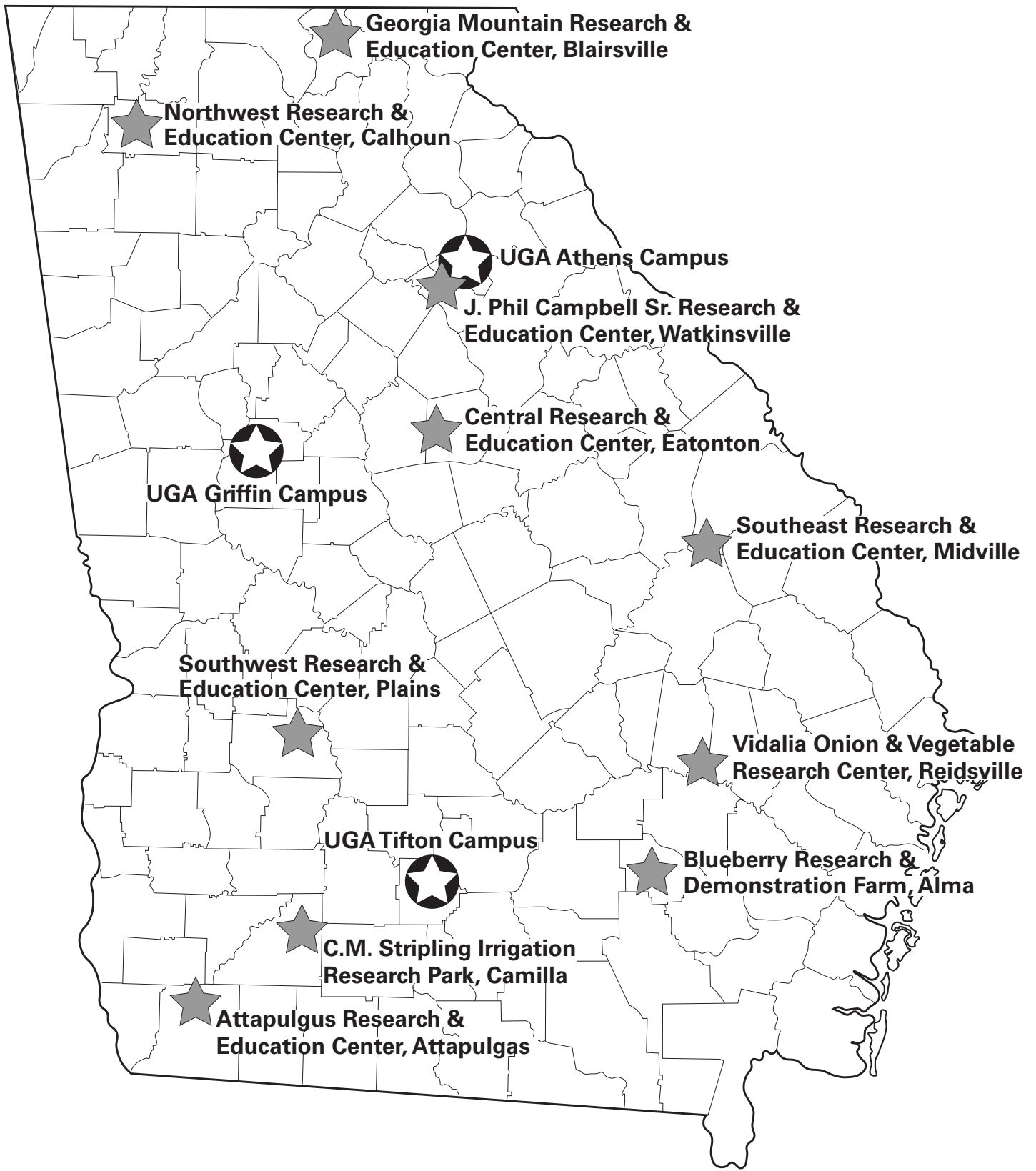
Variety	Yield lb/A	Value \$/A	Price Index ¹ \$/CWT	Grade Index ²	Leaves/ Plant (number)	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
PXH 16	3508	5076	146	72	20	44.5	76	1.98	17.9	9.05
PXH 12	3623	4785	134	68	21	44.7	77	2.35	16.6	7.09
NC EX 69	3499	4615	132	67	19	40.1	78	2.31	18.0	7.79
NC EX 40	3756	4582	123	63	21	43.7	80	2.09	17.9	8.54
CU 185	3682	4499	123	63	22	50.3	80	1.93	17.0	8.78
CU 208	3020	4299	142	71	20	43.9	73	3.12	13.7	4.40
CU 204	3200	4287	134	67	20	42.9	78	2.36	15.3	6.49
GL EX 394	3562	4208	120	60	22	46.9	ND	1.64	18.4	11.23
GL EX 309	3311	4096	125	63	22	46.8	85	1.96	17.7	9.04
NC EX 36	3246	3900	122	61	20	42.7	87	2.22	17.8	8.00
NC EX 68	3108	3804	123	61	20	39.5	78	2.38	17.3	7.28
NC 95	2872	3695	129	66	20	47.3	85	2.65	17.8	6.72
K 326	2909	3575	123	62	19	37.7	86	2.10	17.4	8.26
CU 45	3112	3447	111	55	21	45.6	80	2.56	19.2	7.49
NC 2326	2181	2650	124	60	18	38.8	67	2.97	15.3	5.15
LSD -0.05	360.1	651.3	18.0	8.9						

Conducted on an Ocilla loamy sand soil fertilized with 1000 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. Irrigated as needed.

1. Price Index based on two-year average (2011-2012) prices for U.S. government grades due to market inflation for 2014.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

Researched by S. LaHue and W. Gay with support by grants from the Georgia Tobacco Commission.

NOTES



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