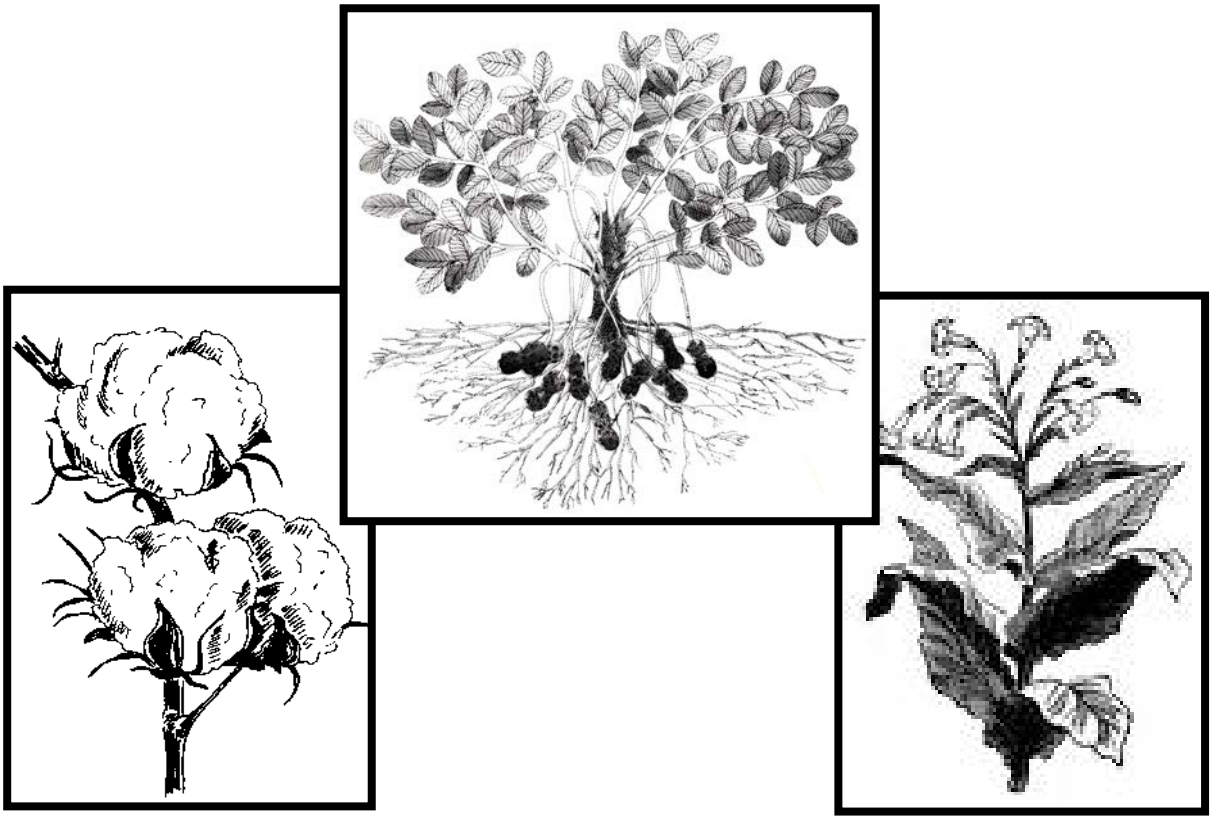
The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Annual Publication 104-7
January 2016

GEORGIA

2015 Peanut, Cotton, and Tobacco Performance Tests

John D. Gassett, J. LaDon Day, Dustin D. Dunn,
Henry Jordan Jr., and Stevan S. LaHue, *Editors*



Department of Crop and Soil Sciences
Griffin Campus

Conversion Table

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

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

ISSN 0072-128X

PREFACE

This research report presents the results of the 2015 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 2015 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 2016 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 2015 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2015 Corn Performance Tests (Annual Publication 101-7), 2014-2015 Small Grains Performance Tests (Annual Publication 100-7), 2015 Soybean, Sorghum Grain and Silage, and Summer Annual Forage Performance Tests (Annual Publication 103-7), 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 Gassett, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment St., Griffin, GA 30223-1797.

Cooperators

Mr. R. A. Black, Southeast Research & Education Center, Midville, Georgia
Mr. A. K. Culbreath, Plant Pathology, Tifton Campus, Tifton, Georgia
Dr. I. Flitcroft, Griffin Campus, Griffin, Georgia
Mr. J. J. Griffin, Crop & Soil Sciences Research Farm, Athens, Georgia
Mr. G. W. Jones III, Southwest Research & Education Center, Plains, Georgia
Mr. S. R. Jones, Southwest Research & Education Center, Plains, Georgia
Mr. H. G. Kendrick, Tifton Campus, Tifton, Georgia
Mr. D. S. Pearce, Southwest Research & Education Center, Plains, Georgia
Dr. P. Roberts, Extension Entomology, Tifton Campus, Tifton, Georgia
Dr. M. Toews, Entomology, Tifton Campus, Tifton, Georgia
Mr. G. S. Willis, Tifton Campus, Tifton, Georgia

Contributors

The following individuals contributed to the gathering of data and to the preparation of this report: R. Baerne, R. Brooke, J. Cox, A. Coy, M. Dolan, T. Dunn, M. Flynn, W. Gay, D. Gordon, J. Greene, D. Griffin, D. Holden, H. Jordan, M. May, B. McCranie, R. Milton, J. Moore, K. Roach, S. Rogers, G. South, J. Strickland, S. Walker, G. Ware, and B. Weldy.

CONTENTS

2015 PEANUT, COTTON, AND TOBACCO PERFORMANCE TESTS

John D. Gassett, J. LaDon Day, Dustin G. Dunn, Henry Jordan Jr., and Stevan S. LaHue, Editors

The Season

Georgia agronomic producers were faced with highly variable weather conditions across the state in 2015 for planting. For much of the state, soil moisture was adequate for planting, but spring plantings of cotton and peanuts were delayed due to excessive rainfall amounts early in the spring, and the lack there of for many in the Coastal Plain in May. Low soil temperatures from cool nights and lower than normal temperatures during the day were also concerning. Irrigation was needed for many producers in May. Harvesting was also inhibited for many growers due to frequent amounts of precipitation and wet soils.

Seasonal rainfall amounts recorded at the five test locations in Georgia during 2015 are listed in the table below. Attapulgus and Midville were the only two locations out of five that did not receive the normal amount of rainfall. Athens, Plains, and Tifton received 29, 8, and 9 percent more rainfall than normal, respectively.

2015 Rainfall[1]

Month	Athens[2]	Attapulgus[3]	Midville	Plains	Tifton
	---------- inches ----------				
March	3.19	3.09	3.50	1.46	1.50
April	8.58	5.55	4.04	6.28	5.63
May	2.25	1.42	1.49	1.90	0.92
June	2.81	4.01	3.31	2.55	3.43
July	4.17	3.54	3.04	4.37	12.80
August	6.42	2.51	3.90	6.84	4.35
September	5.24	8.40	2.93	6.79	1.52
October	8.20	0.55	2.58	1.37	1.95
November	9.84	6.03	5.00	6.86	4.86
Total	50.70	35.10	29.79	38.42	36.96
Normal (9 mo)	35.87	41.70	32.55	35.19	33.61

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, while harvest conditions were hampered due to wet weather conditions in 2015. Peanut producers planted 785,000 acres, an increase of 24 percent from 2014, and the largest acreage since 1991. Cotton producers seeded 1.13 million acres in Georgia, an 18 percent decrease from last year. Tobacco producers in the state transplanted between 13,000 and 15,000 acres in 2015.

John D. Gassett is the program director of the statewide variety testing program, J. LaDon Day is a research scientist, and Henry Jordan Jr. is a research professional III 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 31793-5766.

The Georgia State peanut yield per acre in 2015 was 4,470 pounds, 7 percent more than 2014. As a result of the increase in peanut acres planted, 3.47 billion pounds of peanuts were produced in 2015, a 30 percent increase in production from 2014. Cotton yielded 986 lbs/acre this year, a 9 percent increase from last year, and a total production of 2.3 million bales or 11 percent less than the previous year. Georgia tobacco production on a per acre basis was 2,400 pounds, a 100 pound increase over 2014. Total production was 32.4 million pounds, 2.1 million pounds less than last year.

PEANUT

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Spanish Types							
GA 122707[1]	10/08	**6259**	75.0	3.0	1.0	.	867
GA 082549[1]	10/08	5348	73.5	5.0	0.0	.	841
GA 082548[1]	10/08	5333	75.0	3.0	0.0	.	920
Georgia Browne	09/25	4743	70.0	5.0	0.0	.	1106
Georgia-04S	09/25	4211	71.5	4.0	0.0	.	1154
Tamnut OL06	08/27	3282	62.0	4.5	0.0	.	1020
Tamspan 90	08/27	2958	64.0	7.0	0.0	.	1218
Shubert	08/27	2937	59.5	7.0	0.0	.	1216
Spanco	08/17	2554	62.0	7.5	0.0	.	1226
Pronto	08/17	2438	67.0	5.0	0.0	.	1073
OLin	08/27	2248	62.0	6.5	0.0	.	1181
Average	09/11	3847	67.4	5.2	0.1	.	1075
LSD at 10% Level		272	2.3	1.8	0.5	.	71
C.V. %		8.6	2.0	-	-	.	3.7
Valencia Types							
Georgia Red	08/27	**3046**	65.5	5.0	0.0	.	970
Georgia Valencia	08/27	**3010**	59.5	4.0	0.0	.	805
NuMex-01	08/17	2507	58.5	1.0	0.5	.	1134
Valencia McRan	08/17	2210	61.5	5.5	0.5	.	1164
N.M. Valencia A	08/17	2038	60.5	7.0	0.0	.	1200
H & W Valencia 136	08/17	2022	61.0	7.0	0.0	.	1117
N.M. Valencia C	08/17	2007	62.5	6.5	0.5	.	1114
Average	08/20	2406	61.3	6.4	0.2	.	1072
LSD at 10% Level		272	2.3	1.8	0.5	.	71
C.V. %		8.6	2.0	-	-	.	3.7

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 14, 2015.

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 = Very High, K = High, and pH = 6.2.

Soil Type: Tifton sandy loam.

Previous Crop: Corn.

Management: Disked, moldboard plowed, and rototilled; Sonalan, Basagran, Ultra Blazer, and Select used for weed control; Chlorothalonil, Artisan, and Fontelis used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.00	1.50	1.10	0	0	0
Rainfall (in):	0.92	3.43	12.80	4.35	1.79	1.95

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

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
GA 112720[1]	10/08	**6186**	74.5	3.5	0.0	.	730
GA 122544[1]	10/08	**6135**	75.0	3.0	0.0	.	666
Georgia-13M	10/08	**6123**	74.5	3.5	0.0	.	718
GA 112557[1]	10/08	**6074**	72.5	4.5	0.5	.	687
GA 102720[1]	10/08	**5969**	73.5	3.0	0.0	.	642
Georgia-07W	10/08	**5866**	76.0	3.0	0.0	.	655
TifNV-HighO/L	10/08	5669	75.0	3.5	0.0	.	670
Georgia Greener	09/25	5654	75.0	3.5	0.5	.	679
Georgia-06G	09/25	5572	76.0	3.0	0.0	.	669
Georgia-09B	09/25	5515	75.5	3.0	0.0	.	684
GA 072523[1]	10/08	5502	74.0	4.0	0.0	.	666
TUFRunner™ - '297'	09/25	5357	74.5	3.0	0.0	.	614
Georgia-12Y	10/15	5288	72.0	3.5	0.0	.	712
TUFRunner™ - '727'	10/08	5100	75.5	3.0	0.0	.	660
FloRun™ '107'	09/25	5091	71.0	6.0	0.0	.	709
Florida-07	10/08	5049	74.5	4.0	0.0	.	667
TUFRunner™ - '511'	09/25	4998	73.0	4.0	0.0	.	596
FLoRun™ '157'	09/25	4922	74.0	3.5	0.5	.	724
Tifguard	09/25	4858	74.0	3.0	0.0	.	610
Georgia-14N	09/25	4501	73.5	4.5	0.0	.	845
Average	10/03	5471	74.2	3.6	0.1	.	680
LSD at 10% Level		382	3.1	1.5	0.6		90
C.V. %		8.0	2.5	-	-		8.7
Virginia Types							
GA 092709[1]	10/08	**5403**	72.5	2.0	1.0	51.5	505
Georgia-08V	09/25	**5143**	74.5	1.5	1.5	60.5	432
Florida Fancy	09/25	4925	72.0	2.5	0.5	42.0	486
Sullivan	10/08	4362	70.0	3.0	1.0	49.0	524
Georgia-11J	10/15	3878	73.5	1.5	0.5	54.5	486
CHAMPS	09/04	3796	70.0	2.5	0.0	41.5	462
Titan	09/04	3436	67.5	2.0	0.5	41.5	436
Wynne	09/04	3319	69.5	2.0	0.0	44.5	426
Bailey	09/04	3186	69.0	2.0	0.5	39.0	477
Sugg	09/04	2605	70.0	2.5	0.0	44.5	455
Average	09/19	4005	70.9	2.2	0.6	46.9	469
LSD at 10% Level		382	3.1	1.5	0.6	2.7	90
C.V. %		8.0	2.5	-	-	10.1	8.7

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Irrigated
(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 14, 2015.
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 = Very High, K = High, and pH = 6.2.
Soil Type:	Tifton sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed, and rototilled; Sonalan, Basagran, Ultra Blazer, and Select usedfor weed control; Chlorothalonil, Artisan, and Fontelis used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.00	1.50	1.10	0	0	0
Rainfall (in):	0.92	3.43	12.80	4.35	1.79	1.95

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

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-06G	10/08	**6885**	77.5	2.0	0.0	.	586
GA 112720[1]	10/15	**6540**	76.0	2.5	0.0	.	608
GA 102720[1]	10/15	**6525**	75.0	2.0	1.0	.	621
GA 112557[1]	10/15	6455	77.5	2.5	0.5	.	648
Georgia-09B	10/08	6428	76.0	3.0	0.5	.	651
Georgia-13M	10/15	6407	75.5	3.0	0.0	.	801
FLoRun™ '157'	10/08	6377	74.0	3.0	0.5	.	735
TUFRunner™ - '297'	10/08	6253	76.0	2.0	0.5	.	600
Georgia Greener	10/08	6241	78.0	1.0	0.0	.	683
TUFRunner™ - '511'	10/08	6059	75.5	2.0	0.0	.	617
Georgia-12Y	10/23	5999	73.0	3.0	0.0	.	697
GA 122544[1]	10/15	5859	77.0	1.5	0.5	.	638
TUFRunner™ - '727'	10/15	5811	75.5	3.5	0.5	.	620
Georgia-07W	10/15	5793	77.0	2.0	0.0	.	625
Florida-07	10/15	5696	71.0	5.0	1.0	.	627
GA 072523[1]	10/15	5618	75.5	2.5	1.0	.	653
Tifguard	10/08	5611	74.0	2.5	0.0	.	611
FloRun™ '107'	10/08	5596	73.5	5.0	0.0	.	662
TifNV-HighO/L	10/15	5551	74.5	2.5	0.0	.	616
Georgia-14N	10/08	5415	74.0	4.5	0.0	.	724
Average	10/12	6056	75.3	2.8	0.3	.	651
LSD at 10% Level		396	2.5	1.8	N.S.[2]		62
C.V. %		7.2	2.0	-	-		6.3
Virginia Types							
Georgia-08V	10/08	**6183**	75.5	1.0	0.5	58.5	452
Florida Fancy	10/08	5742	75.0	1.5	0.0	49.5	521
GA 092709[1]	10/15	5563	75.0	1.0	1.0	56.5	462
Bailey	09/25	5300	72.5	2.0	0.5	51.5	449
Wynne	09/25	5255	71.5	1.5	0.5	54.0	401
CHAMPS	09/25	5046	72.5	2.0	1.0	50.5	427
Titan	09/25	4834	70.0	1.5	1.0	52.0	425
Sugg	09/25	4771	72.0	2.5	1.0	54.0	411
Sullivan	10/15	4595	73.0	2.0	0.5	45.0	474
Georgia-11J	10/23	4450	74.0	1.0	0.5	59.0	451
Average	10/04	5174	73.1	1.6	0.7	53.1	447
LSD at 10% Level		396	2.5	1.8	N.S.	2.5	62
C.V. %		7.2	2.0	-	-	8.3	6.3

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Nonirrigated
(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 15, 2015.
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 = Very High, K = High, and pH = 6.1.
Soil Type: Tifton sandy loam.
Previous Crop: Corn.
Management: Disked, moldboard plowed, and rototilled; Sonalan, Basagran, Ultra Blazer, and Select used for weed control; Chlorothalonil, Artisan, and Fontelis used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.92	3.43	12.80	4.35	1.79	1.95

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

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
TUFRunner™ - '511'	10/14	**6738**	74.0	3.0	0.0	.	618
Georgia-09B	10/14	**6552**	76.0	2.0	0.0	.	690
Georgia-14N	10/14	**6368**	72.0	5.0	0.0	.	847
Georgia-06G	10/14	**6249**	74.5	3.0	0.5	.	608
Georgia-12Y	10/29	5874	72.5	2.0	1.0	.	710
TUFRunner™ - '297'	10/14	5787	72.5	3.5	1.0	.	593
FloRun™ '107'	10/14	5775	71.5	4.5	0.0	.	754
Georgia-13M	10/29	5684	73.0	4.5	1.0	.	783
GA 102720[1]	10/29	5649	71.0	2.5	6.0	.	594
GA 112557[1]	10/29	5516	75.0	4.0	2.0	.	693
FLoRun™ '157'	10/14	5435	72.5	4.0	1.0	.	737
TUFRunner™ - '727'	10/29	5427	73.5	3.0	1.0	.	605
GA 072523[1]	10/29	5167	73.0	4.0	2.5	.	614
GA 122544[1]	10/29	5014	73.0	4.0	1.5	.	623
Tifguard	10/14	4995	72.0	3.0	0.0	.	638
Georgia-07W	10/29	4995	72.5	3.5	2.0	.	612
Florida-07	10/29	4967	69.0	4.0	2.0	.	642
Georgia Greener	10/14	4952	74.5	3.0	0.5	.	645
TifNV-HighO/L	10/29	4714	72.5	3.5	0.5	.	610
GA 112720[1]	10/29	4389	74.0	2.5	1.0	.	616
Average	10/22	5512	72.9	3.4	1.2	.	661
LSD at 10% Level		804	2.9	1.3	1.8		37
C.V. %		15.5	2.4	-	-		3.6
Virginia Types							
Georgia-08V	10/14	6356	72.0	1.0	1.0	63.5	411
Wynne	10/14	6127	69.0	2.5	1.0	45.5	453
Florida Fancy	10/14	5772	70.0	1.5	1.0	47.0	530
Bailey	10/14	5713	67.0	3.0	1.5	42.5	486
Georgia-11J	10/29	5423	75.5	0.5	1.5	70.0	388
Sugg	10/14	5417	66.5	2.5	2.5	45.5	441
GA 092709[1]	10/29	4854	69.5	1.0	4.0	61.5	445
Titan	10/14	4576	66.5	1.5	2.0	45.0	440
CHAMPS	10/14	4307	71.0	1.0	2.0	49.5	442
Sullivan	10/29	4301	69.5	3.0	1.5	50.0	509
Average	10/19	5285	69.7	1.8	1.8	52	454
LSD at 10% Level		804	2.9	1.3	1.8	3.4	37
C.V. %		15.5	2.4	-	-	11.6	3.6

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, 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, 2015.

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 N.

Soil Test: P = High, K = Very High, and pH = 6.2.

Soil Type: Greenville sandy loam.

Previous Crop: Corn.

Management: Disked twice, moldboard plowed, subsoiled/bedded, and rototilled; Sonalan, Strongarm, Valor, Gramoxone, Basagran, and 2-4 DB used for weed control; Lannate and Lorsban used for insect control; Artisan, Bravo, and Provost used for fungal control.

Irrigation: 4.66 inches total

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.37

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-09B	10/29	**7133**	71.0	4.5	2.0	.	639
GA 112557[1]	10/29	**7030**	75.5	3.0	1.5	.	612
TUFRunner™ - '511'	10/29	**6927**	74.5	2.0	1.0	.	570
Georgia-14N	10/29	**6886**	74.0	4.0	1.5	.	750
Georgia-07W	10/29	**6824**	71.5	3.0	2.5	.	585
TUFRunner™ - '727'	10/29	**6686**	71.5	3.0	2.5	.	584
Tifguard	10/29	**6679**	72.5	3.5	1.0	.	589
Georgia-13M	10/29	**6586**	71.0	5.0	1.5	.	755
Florida-07	10/29	**6552**	71.0	3.0	1.5	.	579
GA 122544[1]	10/29	**6505**	74.0	2.5	1.5	.	653
GA 102720[1]	10/29	**6474**	70.0	3.5	5.0	.	586
Georgia-06G	10/29	**6439**	71.5	2.5	3.0	.	593
GA 112720[1]	10/29	**6431**	73.0	3.0	1.5	.	591
FLoRun™ '157'	10/29	6339	70.5	4.5	2.0	.	710
TifNV-HighO/L	10/29	6254	71.5	3.5	1.0	.	580
TUFRunner™ - '297'	10/29	6177	74.5	2.0	2.0	.	536
FloRun™ '107'	10/29	6067	68.0	6.0	2.0	.	713
Georgia Greener	10/29	5887	73.5	3.5	1.0	.	627
GA 072523[1]	10/29	5867	73.0	2.5	2.0	.	617
Georgia-12Y	10/29	5761	68.0	4.0	2.0	.	658
Average	10/29	6475	72.0	3.4	1.9	.	626
LSD at 10% Level		745	2.5	1.3	1.7		37
C.V. %		12.9	2.1	-	-		3.8
Virginia Types							
Georgia-08V	10/29	**6786**	71.0	1.0	5.0	63.5	426
Florida Fancy	10/29	**6489**	71.0	2.0	2.5	54.0	496
Sullivan	10/29	5780	69.0	3.0	1.5	51.5	475
GA 092709[1]	10/29	5442	69.5	1.5	3.5	58.0	443
Bailey	10/14	4978	66.5	3.0	1.5	46.5	452
Wynne	10/14	4780	66.0	2.5	1.5	50.5	416
Titan	10/14	4771	61.0	1.5	5.5	47.5	414
Sugg	10/14	4423	61.5	2.5	5.5	44.0	428
Georgia-11J	10/29	4395	73.0	1.0	2.5	65.5	428
CHAMPS	10/14	4378	69.0	1.5	2.0	51.5	412
Average	10/22	5222	67.8	2.0	3.1	53.3	439
LSD at 10% Level		745	2.5	1.3	1.7	2.4	37
C.V. %		12.9	2.1	-	-	8.0	3.8

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, 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, 2015.
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 N.
Soil Test:	P = High, K = Very High, and pH = 6.2.
Soil Type:	Faceville sandy loam.
Previous Crop:	Corn.
Management:	Disked twice, moldboard plowed, subsoiled/bedded, and rototilled; Sonalan, Strongarm, Valor, Gramoxone, and Basagran used for weed control; Lannate used for insect control; Headline, Bravo, Artisan, and Provost used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.37

Test conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
GA 102720[1]	10/21	**7435**	74.5	3.0	0.0	.	600
Georgia-12Y	10/31	6787	73.5	2.5	0.0	.	679
TUFRunner™ - '511'	10/10	6767	72.5	5.0	0.0	.	603
Georgia-09B	10/10	6557	73.5	3.5	0.0	.	616
Georgia-13M	10/21	6447	71.5	5.0	0.0	.	715
GA 112557[1]	10/21	6420	77.5	2.5	0.0	.	670
GA 122544[1]	10/21	6412	75.0	3.0	0.0	.	646
FloRun™ '107'	10/10	6378	71.5	5.0	0.0	.	714
Tifguard	10/10	6346	73.0	3.0	0.0	.	638
Georgia-06G	10/10	6314	77.0	1.5	0.0	.	618
FLoRun™ '157'	10/10	6305	74.0	4.0	0.0	.	777
TUFRunner™ - '727'	10/21	6281	74.5	3.0	0.0	.	640
Georgia-14N	10/10	6262	74.0	4.0	0.0	.	856
GA 112720[1]	10/21	6187	74.5	3.0	0.0	.	614
TUFRunner™ - '297'	10/10	6171	75.5	2.5	0.5	.	633
Georgia-07W	10/21	5973	72.5	4.0	0.5	.	595
TifNV-HighO/L	10/21	5943	74.0	2.5	0.5	.	590
Florida-07	10/21	5783	72.0	4.0	0.5	.	766
GA 072523[1]	10/21	5753	75.5	2.5	1.0	.	655
Georgia Greener	10/10	5739	76.5	2.0	0.0	.	680
Average	10/17	6313	74.1	3.3	0.2	.	665
LSD at 10% Level		560	2.9	1.8	1.3	.	77
C.V. %		239	1.2	0.7	0.6	.	32
Virginia Types							
Florida Fancy	10/10	**7154**	72.5	1.0	1.0	45.0	530
Georgia-08V	10/10	**6867**	74.0	1.0	0.5	60.0	445
Georgia-11J	10/31	**6674**	77.0	0.5	1.0	71.5	370
GA 092709[1]	10/21	6099	73.5	1.0	0.5	55.5	457
Sullivan	10/21	5286	72.0	4.0	0.5	30.0	561
Bailey	09/22	5146	67.5	3.5	1.5	32.0	527
Wynne	09/22	4581	65.5	3.0	4.0	35.5	478
Titan	09/22	4547	64.5	3.0	2.0	37.0	495
CHAMPS	09/22	4437	66.5	3.0	3.0	33.0	491
Sugg	09/22	4287	68.0	6.0	2.0	40.5	504
Average	10/05	5508	70.1	2.6	1.6	44	486
LSD at 10% Level		560	2.9	1.8	1.3	5.0	77
C.V. %		239	1.2	0.7	0.6	2.1	32

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Irrigated
(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 20, 2015.

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 = 5.7.

Soil Type: Tifton loamy sand.

Previous Crop: Cotton.

Management: Disked, moldboard plowed, and field conditioned; 1000 lb/acre lime applied; Valor, Pendimethalin, Basagran, Storm, Intensity, and Butyrac used for weed control; Belt used for insect control; Chlorothalonil, Convoy, Tebuconizole, and Solubor used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.75	4.60	2.50	1.50	0	0
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

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

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-12Y	10/31	**5281**	67.5	4.5	3.0	.	656
GA 112720[1]	10/31	**5163**	76.5	2.0	1.5	.	574
GA 102720[1]	10/31	**5085**	71.5	2.0	4.5	.	585
GA 112557[1]	10/31	**5079**	75.5	3.5	2.5	.	668
TifNV-HighO/L	10/31	**5070**	70.5	2.5	4.0	.	509
GA 122544[1]	10/31	**4992**	73.0	3.5	2.5	.	602
Georgia-07W	10/31	4804	76.0	2.5	1.0	.	554
GA 072523[1]	10/31	4746	67.5	5.0	5.5	.	664
TUFRunner™ - '727'	10/31	4744	69.5	3.0	5.0	.	655
Florida-07	10/31	4631	70.5	3.5	2.0	.	562
Tifguard	10/21	4359	72.0	3.5	1.0	.	607
Georgia-06G	10/21	4334	75.0	2.0	1.0	.	630
Georgia-13M	10/31	4310	68.0	5.5	3.0	.	753
FLoRun™ '157'	10/21	4206	73.0	4.0	1.0	.	772
TUFRunner™ - '511'	10/21	4179	71.5	4.0	1.5	.	601
Georgia-14N	10/21	4043	73.0	5.0	1.0	.	783
TUFRunner™ - '297'	10/21	4043	72.5	2.5	2.5	.	605
Georgia Greener	10/21	4021	75.5	2.5	1.0	.	719
FloRun™ '107'	10/21	3888	71.0	5.0	2.0	.	756
Georgia-09B	10/21	3820	73.0	4.0	1.0	.	756
Average	10/27	4540	72.1	3.5	2.3	.	650
LSD at 10% Level		366	3.5	1.7	2.2	.	58
C.V. %		8.6	2.9	-	-	.	24
Virginia Types							
Georgia-11J	10/31	**5703**	69.5	2.5	3.0	63.5	426
Sullivan	10/31	5114	67.0	3.5	5.0	49.5	498
GA 092709[1]	10/31	4790	69.5	1.5	3.0	56.0	496
Wynne	10/10	4075	66.5	3.0	2.5	40.5	501
Florida Fancy	10/21	4057	68.0	3.0	2.0	42.0	527
Bailey	10/10	4054	66.5	2.0	3.5	37.0	544
Sugg	10/10	3964	67.0	2.5	3.5	38.0	516
Georgia-08V	10/21	3948	69.5	2.5	2.0	45.0	521
CHAMPS	10/10	3878	66.0	4.0	2.0	36.0	517
Titan	10/10	3678	63.0	1.5	3.0	39.0	532
Average	10/19	4326	67.3	2.6	3.0	44.7	508
LSD at 10% Level		366	3.5	1.7	2.2	4.4	58
C.V. %		8.6	2.9	-	-	17.4	5.6

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2015, 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 29, 2015.
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 = High, and pH = 6.2.
Soil Type:	Dothan loamy sand.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed, and field conditioned; 1000 lb/acre lime applied; Valor, Pendimethalin, and Basagran used for weed control; Chlorothalonil, Convoy, Folicur, and Priaxor used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

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

COTTON

Bainbridge, Georgia:
Earlier Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 333 WRF	**1955**	44.1	84.7	1.22	33.9	4.4
PHY 444 WRF	**1865**	45.7	86.6	1.31	35.6	4.3
CG 3475 B2XF	**1814**	41.1	86.1	1.20	33.3	4.9
PHY 312 WRF	**1804**	43.5	85.9	1.21	33.9	4.7
DG 3385 B2XF	**1789**	44.3	85.8	1.20	33.3	4.9
PHY 487 WRF	1771	43.1	84.5	1.17	32.5	5.0
NG 3406 B2XF	1764	43.6	85.7	1.20	32.1	5.1
MON 15R513B2XF	1759	43.2	85.7	1.23	32.7	5.2
DP 1522 B2XF	1725	42.8	85.6	1.20	33.5	4.9
NG 3405 B2XF	1681	43.7	84.1	1.14	28.7	4.6
GA 2011124	1679	42.5	84.0	1.17	34.4	5.0
BRS 335	1645	41.5	84.7	1.19	34.6	4.7
PHY 499 WRF	1641	45.1	85.6	1.18	36.4	4.8
PHY 339 WRF	1568	42.6	85.6	1.22	33.9	4.5
DG CT14515	1524	43.3	84.8	1.20	34.5	5.0
DP 1614 B2XF	1486	46.1	86.3	1.24	34.1	4.9
SSG AU 222	1480	41.6	85.5	1.24	34.7	4.4
GA 2009100	1396	42.3	85.4	1.21	34.6	4.4
SSG HQ 210 CT	1376	39.2	84.4	1.18	34.5	5.0
SSG HQ 212 CT	1338	40.4	83.8	1.16	33.4	4.7
GA 2010102	1189	41.3	85.7	1.19	33.8	4.5
Average	1631	42.9	85.2	1.20	33.7	4.7
LSD 0.01	178	0.6	0.9	0.03	2.0	0.3
CV%	9.2	1.2	0.6	1.50	3.5	4.0

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 15, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.3.
Fertilization: 27 lb N, 53 lb P_2O_5, and 194 lb K_2O/acre. Sidedress: 126 lb N and 23 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled; Valor, Round-up, Prowl, MSMA, Cotoran, Select, and Suprend used for weed control; Acephate, Prevathon, Admire Pro, and Bidrin used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.50	3.00	3.00	3.00	0.75	0
Rainfall (in):	3.55	3.60	7.15	2.35	4.40	0.35

Trials conducted by D. Dunn, R. Brooke, B. McCranie, G. South.

Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DG CT14515	**2039**	44.8	83.3	1.22	32.7	4.6
PHY 312 WRF	**1983**	43.5	84.4	1.25	33.8	4.1
PHY 333 WRF	**1967**	44.5	84.1	1.23	32.0	4.2
PHY 487 WRF	**1950**	44.0	81.5	1.10	28.7	4.5
DP 1522 B2XF	**1904**	44.1	84.1	1.18	31.4	4.7
SSG HQ 212 CT	**1864**	42.0	84.4	1.18	32.3	4.8
PHY 339 WRF	**1863**	43.4	83.4	1.22	31.8	3.9
GA 2011124	**1850**	43.5	83.1	1.20	32.3	4.4
PHY 444 WRF	1802	45.6	84.4	1.30	30.9	3.9
GA 2010102	1800	43.2	83.8	1.16	30.8	4.8
NG 3405 B2XF	1800	45.2	82.6	1.11	27.4	4.6
SSG HQ 210 CT	1779	40.4	82.7	1.15	31.9	4.6
MON 15R513B2XF	1777	43.3	84.5	1.23	32.5	4.8
DG 3385 B2XF	1760	43.5	84.4	1.18	29.4	4.4
SSG AU 222	1734	41.7	83.9	1.25	30.6	4.3
PHY 499 WRF	1702	43.6	83.6	1.16	30.7	4.3
DP 1614 B2XF	1701	45.6	84.5	1.24	30.6	4.8
CG 3475 B2XF	1697	42.2	83.3	1.18	32.6	4.7
NG 3406 B2XF	1671	43.3	83.6	1.16	29.8	4.5
BRS 335	1646	41.6	82.9	1.20	31.1	4.1
GA 2009100	1397	42.5	83.7	1.24	33.2	3.8
Average	1795	43.4	83.6	1.19	31.2	4.4
LSD 0.10	193	0.9	1.4	0.04	2.2	0.4
CV %	9.1	1.7	1.0	1.70	4.0	5.4

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, for quality testing.

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

Planted: May 11, 2015.
Harvested: October 14, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 6.0.
Fertilization: 30 lb N, 90 lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, and field cultivated; Pendimethalin, Reflex, Gramoxone, Acephate, Staple, MSMA, Diuron, Mepiquat, and Warrant used for weed control; Prevathon, Bidrin, and Bifenthrin used for insect control; Telone II used for nematode control; Dropp, Def, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.35	1.25	4.60	1.75	0.00	0.00
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1522 B2XF	**1620**	43.0	83.6	1.15	30.7	5.0
GA 2011124	**1600**	45.3	83.2	1.11	29.9	5.2
CG 3475 B2XF	**1577**	43.1	82.5	1.14	31.1	4.9
MON 15R513B2XF	**1528**	44.9	83.2	1.15	29.4	5.0
PHY 333 WRF	1421	44.7	83.2	1.15	30.7	4.7
PHY 487 WRF	1418	44.2	81.8	1.10	28.6	4.9
PHY 499 WRF	1413	45.3	84.2	1.17	32.6	4.7
NG 3405 B2XF	1378	43.3	82.1	1.12	27.5	4.5
DG 3385 B2XF	1371	43.9	82.5	1.12	28.4	4.9
PHY 444 WRF	1368	46.1	82.7	1.22	30.8	4.0
NG 3406 B2XF	1353	43.5	82.8	1.12	28.5	4.8
SSG AU 222	1320	43.1	82.9	1.18	29.7	5.0
BRS 335	1314	42.0	82.7	1.13	32.6	4.5
DP 1614 B2XF	1312	45.8	83.0	1.18	30.7	5.0
GA 2009100	1303	43.7	83.4	1.17	30.3	4.3
DG CT14515	1299	44.5	82.8	1.16	30.9	4.6
GA 2010102	1283	43.7	82.1	1.11	30.7	5.3
PHY 312 WRF	1280	45.5	84.0	1.16	31.0	4.8
PHY 339 WRF	1239	43.8	82.6	1.16	31.6	4.3
SSG HQ 210 CT	1066	41.7	82.2	1.11	31.2	4.9
SSG HQ 212 CT	1021	42.6	82.4	1.11	31.2	4.8
Average	1356	44.0	82.8	1.14	30.4	4.8
LSD 0.01	160	0.7	1.0	0.03	2.2	0.3
CV%	10	1.4	0.7	1.77	4.3	3.7

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: November 16, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.2.
Fertilization: 0 lb N, 80 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 85 lb N and 1.25 lb Boron/acre.
Previous Crop: Soybeans.
Management: Disked twice, subsoiled/bedded, and rototilled; Prowl, Reflex, MSMA, Diuron, and Staple used for weed control; Bidren, Bifen, and Belt used for insect control; Mepiquat used for PGR; irrigated 5 inches.

	May	June	July	Aug.	Sept.	Oct.	Nov. 1-16
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.37	4.55

Trials conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
GA 2010102	**1766**	43.2	82.7	1.14	30.7	4.7
PHY 444 WRF	**1760**	44.7	85.3	1.27	31.8	4.1
DP 1522 B2XF	**1697**	43.0	83.5	1.16	30.6	4.8
PHY 487 WRF	**1693**	42.5	82.0	1.09	28.5	4.8
DG CT14515	**1660**	44.2	83.5	1.19	33.0	4.9
SSG AU 222	**1606**	39.8	83.6	1.19	32.3	4.4
PHY 312 WRF	1578	42.5	84.4	1.18	32.1	4.2
BRS 335	1558	41.2	83.7	1.18	33.5	4.7
GA 2011124	1539	43.2	83.7	1.16	30.9	4.9
PHY 339 WRF	1515	42.8	83.7	1.18	31.4	4.1
DP 1614 B2XF	1515	44.6	84.2	1.19	30.9	4.9
PHY 333 WRF	1510	43.2	84.2	1.18	31.3	4.1
DG 3385 B2XF	1481	42.7	84.1	1.16	29.1	4.6
PHY 499 WRF	1453	43.8	84.1	1.14	34.0	4.8
SSG HQ 210 CT	1430	39.4	82.2	1.11	30.0	4.8
NG 3405 B2XF	1383	43.7	82.2	1.11	28.5	4.4
CG 3475 B2XF	1341	40.8	83.1	1.15	31.0	4.7
MON 15R513B2XF	1312	42.4	84.3	1.15	30.3	4.8
SSG HQ 212 CT	1275	40.4	82.0	1.11	31.5	4.9
NG 3406 B2XF	1270	41.2	83.2	1.12	29.7	4.5
GA 2009100	1111	40.4	84.2	1.23	33.1	4.0
Average	1498	42.4	83.5	1.16	31.1	4.5
LSD 0.01	174	0.8	1.3	0.02	1.4	0.2
CV%	9.8	1.7	0.9	1.22	2.7	3.2

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 8, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 18 lb N, 54 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 and subsoiled/bedded; Reflex, Cotoran, Prowl, Envoke, and Select used for weed control; Othene, Bidrin, and Blackhawk used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	0	1.00	0	0	0
Rainfall (in):	0.35	5.48	6.31	6.91	2.28	2.10

Trials conducted by S. Willis, D. Dunn, R. Brooke, B. McCranie, and G. South.

Yield Summary of Earlier Maturity Cotton Varieties, 2015, Irrigated

Variety	Lint Yield[a] Bainbridge	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
DP 1522 B2XF	1725 [9]	**1904** [5]	**1620** [1]	**1697** [3]	**1737** [1]	43.2	84.2	1.17	31.5	4.8
PHY 333 WRF	**1955** [1]	**1967** [3]	1421 [5]	1510 [11]	**1714** [2]	44.1	84.0	1.19	32.0	4.3
PHY 487 WRF	1771 [6]	**1950** [4]	1418 [6]	**1693** [4]	**1708** [3]	43.5	82.4	1.11	29.6	4.8
PHY 444 WRF	**1865** [2]	1802 [9]	1368 [10]	**1760** [2]	**1699** [4]	45.5	84.7	1.27	32.2	4.1
GA 2011124	1679 [11]	**1850** [8]	**1600** [2]	1539 [9]	**1667** [5]	43.6	83.5	1.16	31.8	4.8
PHY 312 WRF	**1804** [4]	**1983** [2]	1280 [18]	1578 [7]	**1661** [6]	43.8	84.7	1.20	32.7	4.4
DG CT14515	1524 [15]	**2039** [1]	1299 [19]	**1660** [5]	**1631** [7]	44.2	83.6	1.19	32.7	4.8
CG 3475 B2XF	**1814** [3]	1697 [17]	**1577** [3]	1341 [16]	**1607** [8]	41.8	83.7	1.16	32.0	4.8
DG 3385 B2XF	**1789** [5]	1760 [13]	1371 [9]	1481 [12]	**1600** [9]	43.6	84.2	1.16	30.0	4.7
MON 15R513B2XF	1759 [8]	1777 [12]	**1528** [4]	1312 [17]	**1594** [10]	43.5	84.4	1.19	31.2	4.9
NG 3405 B2XF	1681 [10]	1800 [10T]	1378 [8]	1383 [15]	1560 [11]	44.0	82.8	1.12	28.0	4.5
PHY 499 WRF	1641 [13]	1702 [15]	1413 [7]	1453 [13]	1553 [12]	44.5	84.3	1.16	33.4	4.6
PHY 339 WRF	1568 [14]	**1863** [7]	1239 [19]	1515 [10T]	1546 [13]	43.1	83.8	1.19	32.1	4.2
BRS 335	1645 [12]	1646 [19]	1314 [13]	1558 [8]	1540 [14]	41.5	83.5	1.17	32.9	4.5
SSG AU 222	1480 [17]	1734 [14]	1320 [12]	**1606** [6]	1535 [15]	41.6	84.0	1.22	31.8	4.5
NG 3406 B2XF	1764 [7]	1671 [18]	1353 [11]	1270 [19]	1515 [16]	42.9	83.8	1.15	30.0	4.7
GA 2010102	1189 [21]	1800 [10T]	1283 [17]	**1766** [1]	1510 [17]	42.8	83.6	1.15	31.5	4.8
DP 1614 B2XF	1486 [16]	1701 [16]	1312 [14]	1515 [10T]	1504 [18]	45.5	84.5	1.21	31.6	4.9
SSG HQ 210 CT	1376 [19]	1779 [11]	1066 [20]	1430 [14]	1413 [19]	40.2	82.9	1.14	31.9	4.8
SSG HQ 212 CT	1338 [20]	**1864** [6]	1021 [21]	1275 [18]	1374 [20]	41.3	83.2	1.14	32.1	4.8
GA 2009100	1396 [18]	1397 [20]	1303 [15]	1111 [20]	1302 [21]	42.2	84.2	1.21	32.8	4.1
Average	1631	1795	1356	1498	1570	43.2	83.8	1.17	31.6	4.6
LSD 0.10	178	193	160	174	167	0.8	0.6	0.02	1.0	0.2
CV %	9.2	9.1	10	9.8	9.5	1.5	0.8	1.55	3.6	4.1

[a] Superscripts indicate ranking at that location.
Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Two-Year Summary of Earlier Maturity Cotton Varieties at Four Locations[a], 2014-2015, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 333 WRF	**1781**	43.3	83.5	1.18	31.0	4.2
PHY 444 WRF	**1752**	44.7	84.4	1.25	32.1	3.9
PHY 487 WRF	**1724**	42.7	82.4	1.13	30.0	4.4
PHY 499 WRF	1701	43.9	83.9	1.15	32.4	4.6
SSG AU 222	1653	41.8	83.7	1.20	31.3	4.3
GA 2010102	1584	41.7	83.6	1.16	32.5	4.6
SSG HQ 210 CT	1554	40.4	82.8	1.14	31.7	4.5
BRS 335	1550	41.1	83.0	1.17	32.5	4.2
GA 2009100	1404	41.1	83.6	1.18	32.4	4.3
Average	1633	42.3	83.4	1.17	31.8	4.3
LSD 0.01	64	0.3	0.5	0.01	N.S.[1]	N.S.
CV%	9.5	2.0	1.0	2.1	4.0	5.7

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

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

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

Bainbridge, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 333 WRF	**2166**	44.4	84.5	1.23	32.8	4.6
DP 1558NR B2RF	**1991**	45.6	86.1	1.21	35.7	5.4
NG 5007 B2XF	1865	44.3	84.3	1.21	31.6	4.7
GA 2009037	1857	40.5	84.2	1.21	34.0	4.8
PHY 444 WRF	1849	45.2	86.5	1.30	34.6	4.3
PHY 495 W3RF	1830	44.6	84.9	1.16	35.6	4.8
CG 3885 B2XF	1826	44.9	84.7	1.17	33.2	5.0
DP 1538 B2XF	1757	44.9	84.5	1.16	32.6	5.1
DG CT15622	1748	44.1	86.2	1.23	32.8	4.9
PHY 499 WRF	1735	44.3	86.4	1.17	35.4	5.0
NG 3406 B2XF	1730	43.1	85.7	1.22	34.0	4.8
DP 1553 B2XF	1728	43.4	85.9	1.23	33.5	4.8
NG 3405 B2XF	1693	42.7	83.8	1.17	30.9	4.8
DP 1646 B2XF	1682	46.7	84.5	1.26	33.1	4.8
GA 2009100	1681	43.2	84.9	1.21	35.0	4.6
ST 4946GLB2	1681	41.5	85.3	1.19	34.3	4.9
BX 1638GLT	1656	41.1	83.2	1.21	33.5	4.5
PHY 552 WRF	1654	44.9	85.5	1.19	34.4	4.8
DP 1639 B2XF	1635	45.3	85.8	1.19	36.1	5.4
ST 6448GLB2	1622	42.1	82.2	1.19	33.0	4.6
GA 2010019	1620	41.2	84.6	1.19	34.1	4.5
GA 2010076	1610	39.2	84.8	1.21	36.5	4.9
DP 1252 B2RF	1607	46.7	85.2	1.18	31.6	5.2
CG 3787 B2RF	1542	42.1	84.0	1.19	33.2	5.0
DP 1555 B2RF	1509	46.0	83.8	1.19	33.6	4.8
ST 4747GLB2	1508	41.4	84.3	1.22	33.1	4.8
GA 230	1485	40.7	84.7	1.25	33.1	4.6
BRS 293	1460	40.3	84.2	1.16	35.7	5.2
ST 5115GLT	1459	41.2	83.3	1.16	33.3	4.5
ST 6182GLT	1448	45.1	83.4	1.17	32.6	4.6
DP 1454NR B2RF	1287	45.5	83.6	1.14	32.8	5.1
BRS 286	1234	39	83.2	1.14	34.3	4.7
Average	1661	43.3	84.6	1.20	33.7	4.8
LSD 0.01	258	1.0	1.5	0.05	2.5	0.4
CV%	13.2	1.9	1.0	2.20	4.4	4.4

Bainbridge, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 15, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.3.
Fertilization: 27 lb N, 53 lb P_2O_5, and 194 lb K_2O/acre. Sidedress: 126 lb N and 23 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled; Valor, Round-up, Prowl, MSMA, Cotoran, Select, and Suprend used for weed control; Acephate, Prevathon, Admire Pro, and Bidrin used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.50	3.00	3.00	3.00	0.75	0
Rainfall (in):	3.55	3.60	7.15	2.35	4.40	0.35

Trials conducted by D. Dunn, R. Brooke, B. McCranie, G. South.

Midville, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1646 B2XF	**2139**	46.4	85.2	1.28	28.8	4.3
ST 4946GLB2	**2083**	43.2	84.3	1.18	31.8	4.7
PHY 552 WRF	**2005**	44.1	85.1	1.19	34.1	3.9
DP 1558NR B2RF	1874	44.6	83.6	1.20	30.4	4.4
CG 3787 B2RF	1861	44.0	83.8	1.17	29.9	4.4
ST 5115GLT	1853	42.5	82.7	1.15	31.2	4.2
DP 1553 B2XF	1853	45.4	82.9	1.19	29.1	4.3
ST 4747GLB2	1828	40.6	83.5	1.23	30.5	4.3
PHY 495 W3RF	1828	45.4	84.0	1.13	32.4	4.5
PHY 499 WRF	1809	44.5	83.5	1.18	32.1	4.2
GA 2010019	1775	42.2	83.4	1.19	32.6	4.2
DP 1538 B2XF	1773	45.7	82.9	1.13	29.6	4.4
ST 6448GLB2	1757	42.6	82.8	1.20	30.6	4.3
CG 3885 B2XF	1745	43.6	83.0	1.17	29.3	4.0
DP 1555 B2RF	1734	45.1	84.2	1.25	31.5	4.1
ST 6182GLT	1716	47.0	83.6	1.19	30.1	4.1
GA 2010076	1690	41.1	84.2	1.20	33.7	4.6
PHY 333 WRF	1683	44.3	84.3	1.22	31.5	4.2
DP 1252 B2RF	1667	44.7	83.7	1.17	30.9	4.3
DP 1639 B2XF	1633	46.5	84.4	1.16	30.7	4.2
PHY 444 WRF	1619	45.1	85.2	1.29	30.2	3.8
BX 1638GLT	1607	43.9	83.8	1.21	31.4	4.3
NG 3405 B2XF	1589	43.5	82.6	1.15	28.7	4.2
GA 2009037	1577	43.1	81.8	1.19	30.3	4.3
NG 5007 B2XF	1574	43.1	83.0	1.19	29.9	4.4
DP 1454NR B2RF	1564	43.4	83.3	1.17	31.3	4.1
BRS 286	1528	40.6	83.8	1.16	31.2	4.2
NG 3406 B2XF	1518	43.1	83.6	1.16	29.6	4.3
BRS 293	1459	39.6	83.6	1.19	34.5	4.4
GA 2009100	1449	39.4	84.6	1.25	32.6	3.7
DG CT15622	1416	41.6	84.2	1.23	30.9	4.1
GA 230	1376	39.5	83.3	1.25	30.7	4.0
Average	1706	43.4	83.7	1.19	31.0	4.2
LSD 0.01	180	1.2	1.2	0.05	2.0	N.S.[1]
CV%	9.0	2.4	0.9	2.50	3.9	7.9

Midville, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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 11, 2015.
Harvested: October 14, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 6.0.
Fertilization: 30 lb N, 90 lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, and field cultivated; Pendimethalin, Reflex, Gramoxone, Acephate, Staple, MSMA, Diuron, Mepiquat, and Warrant used for weed control; Prevathon, Bidrin, and Bifenthrin used for insect control; Telone II used for nematode control; Dropp, Def, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.35	1.25	4.60	1.75	0.00	0.00
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
CG 3885 B2XF	**1697**	46.2	83.3	1.16	27.8	4.7
GA 2010019	**1650**	43.4	82.9	1.18	29.6	4.5
DP 1252 B2RF	**1627**	46.6	83.0	1.12	27.4	4.5
DP 1538 B2XF	**1608**	46.2	82.9	1.10	26.0	4.8
ST 5115GLT	1518	41.8	82.6	1.13	29.7	4.3
NG 5007 B2XF	1516	46.6	82.5	1.15	27.3	4.4
DP 1639 B2XF	1501	47.5	83.3	1.11	28.4	4.9
ST 6182GLT	1488	48.5	84.2	1.17	28.3	4.4
CG 3787 B2RF	1469	46.9	83.8	1.15	28.4	4.7
DP 1555 B2RF	1452	46.0	82.7	1.16	29.7	4.4
NG 3406 B2XF	1451	45.0	82.4	1.14	27.8	4.8
DP 1558NR B2RF	1430	44.3	83.5	1.17	31.0	4.8
DP 1646 B2XF	1419	47.8	83.2	1.23	27.7	4.7
DG CT15622	1417	45.7	83.7	1.19	29.1	4.5
BX 1638GLT	1385	45.5	83.3	1.17	31.0	4.5
DP 1553 B2XF	1378	45.1	83.4	1.20	28.4	4.4
ST 6448GLB2	1372	42.1	82.6	1.19	30.7	4.5
PHY 552 WRF	1370	45.5	84.0	1.17	30.7	4.5
NG 3405 B2XF	1363	44.6	81.1	1.10	26.4	4.8
ST 4747GLB2	1308	42.8	83.0	1.19	29.8	4.5
GA 2010076	1296	43.0	83.9	1.19	32.6	5.0
PHY 333 WRF	1280	44.5	82.5	1.14	30.4	4.5
PHY 499 WRF	1270	44.9	83.4	1.14	30.0	4.7
ST 4946GLB2	1270	42.9	83.1	1.13	31.2	4.6
BRS 286	1233	41.7	82.1	1.11	30.8	4.6
GA 2009037	1227	44.0	83.1	1.17	29.6	4.8
DP 1454NR B2RF	1226	44.9	82.8	1.13	29.1	4.5
PHY 495 W3RF	1217	45.5	83.4	1.11	30.7	4.4
GA 230	1209	44.2	83.1	1.22	30.5	4.5
PHY 444 WRF	1188	44.3	83.8	1.23	30.8	3.8
GA 2009100	1184	41.8	83.1	1.17	31.3	4.2
BRS 293	1090	41.9	82.6	1.13	29.7	4.9
Average	1378	44.7	83.1	1.16	29.4	4.5
LSD 0.01	170	1.0	N.S.[1]	1.94	1.9	1.9
CV%	10.5	1.8	0.8	1.93	2.7	5.0

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: November 16, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.2.
Fertilization: 0 lb N, 80 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 85 lb N and 1.25 lb Boron/acre.
Previous Crop: Soybeans.
Management: Disked twice, subsoiled/bedded, and rototilled; Prowl, Reflex, MSMA, Diuron, and Staple used for weed control; Bidren, Bifen, and Belt used for insect control; Mepiquat used for PGR; irrigated 5 inches.

	May	June	July	Aug.	Sept.	Oct.	Nov. 1-16
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.37	4.55

Trials conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Tifton, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1646 B2XF	**1664**	44.9	85.0	1.25	30.9	4.2
DP 1558NR B2RF	**1658**	43.9	84.0	1.17	33.5	4.8
PHY 444 WRF	**1638**	44.5	83.8	1.25	31.9	3.9
CG 3787 B2RF	**1597**	43.0	83.5	1.15	29.6	4.8
PHY 495 W3RF	**1557**	42.7	83.8	1.12	31.3	4.6
DP 1555 B2RF	**1555**	43.2	83.5	1.17	31.7	4.5
GA 2009037	**1545**	40.8	82.7	1.16	30.8	4.6
ST 6182GLT	**1533**	45.5	83.7	1.14	29.9	4.5
ST 5115GLT	**1532**	40.6	83.0	1.17	30.8	4.3
PHY 333 WRF	**1517**	43.2	83.6	1.17	30.9	4.4
PHY 552 WRF	**1482**	44.0	83.8	1.15	32.8	4.4
ST 4946GLB2	**1482**	41.4	83.4	1.13	30.8	4.7
GA 2010076	1444	39.4	83.0	1.17	33.6	4.8
NG 3406 B2XF	1438	42.2	83.6	1.12	29.6	4.6
PHY 499 WRF	1429	42.5	83.6	1.13	31.8	4.8
DP 1252 B2RF	1412	44.1	83.6	1.15	29.8	4.7
BRS 286	1401	39.4	82.8	1.15	33.1	4.5
ST 6448GLB2	1400	40.8	82.8	1.21	30.7	4.5
BX 1638GLT	1396	42.3	83.3	1.19	32.6	4.5
DP 1538 B2XF	1381	43.2	83.4	1.09	28.9	4.7
CG 3885 B2XF	1371	42.9	84.1	1.13	29.7	4.7
NG 3405 B2XF	1325	42.5	83.3	1.12	28.3	4.2
DP 1639 B2XF	1324	44.0	85.3	1.15	31.7	4.7
ST 4747GLB2	1321	43.1	83.5	1.19	30.6	4.5
DP 1553 B2XF	1280	43.2	83.6	1.16	29.7	4.4
GA 230	1225	39.4	82.7	1.19	34.1	4.5
GA 2010019	1174	41.7	83.4	1.16	30.7	4.6
BRS 293	1173	40.0	84.4	1.14	33.6	5.3
DP 1454NR B2RF	1138	42.8	83.1	1.10	29.6	4.7
DG CT15622	1122	40.9	84.0	1.16	30.4	4.5
GA 2009100	1110	40.3	83.9	1.17	31.9	4.2
NG 5007 B2XF	1086	42.6	83.0	1.15	29.8	4.5
Average	1397	42.3	83.6	1.16	31.1	4.5
LSD 0.01	196	1.0	N.S.[1]	0.03	1.8	0.2
CV%	11.9	2.1	0.8	1.71	3.4	3.1

Tifton, Georgia:
Later Maturity Cotton Variety Performance, 2015, Irrigated (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 8, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 18 lb N, 54 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 and subsoiled/bedded; Reflex, Cotoran, Prowl, Envoke, and Select used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	0	1.00	0	0	0
Rainfall (in):	0.35	5.48	6.31	6.91	2.28	2.10

Trials conducted by S. Willis, D. Dunn, R. Brooke, B. McCranie, and G. South.

Yield Summary of Later Maturity Cotton Varieties, 2015, Irrigated

Variety	Lint Yield[a] Bainbridge	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
DP 1558NR B2RF	**1991** 2	1874 4	1430 12	**1658** 2	**1738** 1	44.6	84.3	1.19	32.6	4.9
DP 1646 B2XF	1682 14	**2139** 1	1419 13	**1664** 1	**1726** 2	46.4	84.5	1.25	30.1	4.5
PHY 333 WRF	**2166** 1	1683 16	1280 22	**1517** 10	**1661** 3	44.1	83.7	1.19	31.4	4.4
CG 3885 B2XF	1826 7	1745 12	**1697** 1	1371 20	**1660** 4	44.4	83.8	1.16	30.0	4.6
DP 1538 B2XF	1757 8	1773 10	**1608** 4	1381 19	**1630** 5	45.0	83.4	1.12	29.2	4.7
ST 4946GLB2	1681 15T	2083 2	1270 23T	**1482** 11T	**1629** 6	42.2	84.0	1.16	32.0	4.7
PHY 552 WRF	1654 17	2005 3	1370 18	**1482** 11T	**1628** 7	44.6	84.6	1.18	33.0	4.4
CG 3787 B2RF	1542 23	1861 5	1469 9	**1597** 4	**1617** 8	44.0	83.8	1.16	30.2	4.7
PHY 495 W3RF	1830 6	1828 7T	1217 27	**1557** 5	**1608** 9	44.5	84.0	1.13	32.5	4.6
ST 5115GLT	1459 28	1853 6T	1518 5	**1532** 9	**1591** 10	41.5	82.9	1.15	31.2	4.3
DP 1252 B2RF	1607 22	1667 17	**1627** 3	1412 15	**1578** 11	45.5	83.9	1.16	29.9	4.7
PHY 444 WRF	1849 5	1619 19	1188 29	**1638** 3	**1573** 12	44.8	84.8	1.27	31.9	3.9
DP 1555 B2RF	1509 24	1734 13	1452 10	**1555** 6	**1562** 13	45.0	83.6	1.19	31.6	4.4
PHY 499 WRF	1735 10	1809 8	1270 23T	1429 14	**1561** 14	44.1	84.2	1.15	32.3	4.6
DP 1553 B2XF	1728 12	1853 6T	1378 16	1280 24	**1560** 15	44.3	83.9	1.19	30.2	4.5
GA 2010019	1620 20	1775 9	**1650** 2	1174 26	1555 16	42.1	83.6	1.18	31.7	4.4
GA 2009037	1857 4	1577 22	1227 25	**1545** 7	1551 17	42.1	82.9	1.18	31.2	4.6
ST 6182GLT	1448 29	1716 14	1488 8	**1533** 8	1546 18	46.5	83.7	1.17	30.2	4.4
ST 6448GLB2	1622 19	1757 11	1372 17	1400 17	1538 19	41.9	82.6	1.20	31.2	4.5
NG 3406 B2XF	1730 11	1518 26	1451 11	1438 13	1534 20	43.3	83.8	1.16	30.2	4.6
DP 1639 B2XF	1635 18	1633 18	1501 7	1324 22	1523 21	45.8	84.7	1.15	31.7	4.8
BX 1638GLT	1656 16	1607 20	1385 15	1396 18	1511 22	43.2	83.4	1.19	32.1	4.4
GA 2010076	1610 21	1690 15	1296 21	1444 12	1510 23T	40.7	84.0	1.19	34.1	4.8
NG 5007 B2XF	1865 3	1574 23	1516 6	1086 31	1510 23T	44.2	83.2	1.18	29.6	4.5
NG 3405 B2XF	1693 13	1589 21	1363 19	1325 21	1493 24	43.4	82.7	1.13	28.6	4.5
ST 4747GLB2	1508 25	1828 7T	1308 20	1321 23	1491 25	42.0	83.6	1.21	31.0	4.5
DG CT15622	1748 9	1416 29	1417 14	1122 29	1426 26	43.1	84.5	1.20	30.8	4.5
GA 2009100	1681 15T	1449 28	1184 30	1110 30	1356 27	41.2	84.1	1.20	32.6	4.2
BRS 286	1234 31	1528 25	1233 24	1401 16	1349 28	40.2	83.0	1.14	32.3	4.5
GA 230	1485 26	1376 30	1209 28	1225 25	1324 29	40.9	83.4	1.23	32.1	4.4
DP 1454NR B2RF	1287 30	1564 24	1226 26	1138 28	1304 30	44.1	83.2	1.13	30.7	4.6
BRS 293	1460 27	1459 27	1090 31	1173 27	1295 31	40.4	83.7	1.16	33.4	4.9
Average	1661	1706	1378	1397	1536	43.4	83.7	1.18	31.3	4.5
LSD 0.10	258	180	170	196	178	1.1	0.7	0.02	1.0	0.2
CV %	13.2	9.0	10.5	11.9	11.3	2.1	0.9	2.1	3.7	5.2

[a] Superscripts indicate ranking at that location.

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

Two-Year Summary of Later Maturity Cotton Varieties at Four Locations[a], 2014-2015, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
DP 1558NR B2RF	**1903**	44.4	84.0	1.18	32.4	4.8
PHY 333 WRF	1790	43.6	83.5	1.19	31.0	4.3
ST 4946GLB2	1760	42.2	83.6	1.16	31.9	4.5
CG 3787 B2RF	1732	43.9	83.6	1.16	29.7	4.5
PHY 495 W3RF	1729	43.8	83.7	1.13	32.4	4.5
PHY 499 WRF	1722	43.4	83.9	1.16	31.7	4.5
ST 6182GLT	1720	46.5	83.3	1.16	30.0	4.3
DP 1252 B2RF	1715	45.6	83.7	1.15	29.6	4.6
DP 1555 B2RF	1671	44.9	83.5	1.19	32.1	4.4
ST 4747GLB2	1655	41.9	83.0	1.20	30.3	4.3
DP 1454NR B2RF	1631	43.8	83.0	1.13	30.3	4.6
ST 6448GLB2	1619	41.9	82.8	1.20	30.9	4.3
GA 2010019	1611	41.9	83.1	1.17	31.3	4.3
GA 2010076	1609	40.6	83.5	1.19	32.9	4.7
GA 2009100	1486	40.0	83.7	1.20	32.6	4.3
GA 230	1434	40.8	83.6	1.22	31.6	4.2
Average	1674	43.1	83.5	1.17	31.3	4.4
LSD 0.01	75	0.4	0.4	0.02	0.7	0.1
CV%	10.9	2.1	0.9	2.2	3.9	5.7

[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, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DG CT15557	**2185**	46.3	83.7	1.16	29.1	4.7
DG CT15426	**2183**	47.3	83.9	1.16	29.1	4.6
GA 2012025	**2025**	43.7	83.3	1.20	32.6	4.4
ATX CT 15445 B2RF	**2024**	43.0	84.9	1.23	32.1	4.1
GA 2011113	**2009**	44.7	83.4	1.22	32.2	4.4
AMDG-7824	**1987**	45.1	82.3	1.15	28.6	4.4
ATX DGX12WSTR-755 B	**1977**	44.4	84.5	1.26	31.8	4.4
GA 2012050	1961	43.0	84.2	1.18	34.6	4.3
GA 2012082	1887	42.6	84.3	1.23	32.6	4.6
GA 2012141	1852	44.9	84.2	1.21	30.6	4.4
NB502-38Y cv	1844	43.2	84.3	1.24	31.0	4.4
ATX CT 15634 B2RF	1837	47.2	84.7	1.17	29.7	4.7
DG CT14555	1804	42.0	83.9	1.26	31.2	3.9
ATX CT 15444 B2XF	1773	44.0	85.3	1.22	33.8	4.6
GA 2012085	1759	44.2	84.4	1.17	31.9	4.8
ATX CT 15425 B2XF	1616	44.3	85.2	1.23	32.9	4.2
Average	1920	44.4	84.1	1.20	31.5	4.4
LSD 0.01	211	0.8	1.4	0.05	1.3	0.3
CV%	9.2	1.6	0.9	2.10	2.3	4.3

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, for quality testing.

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

Planted: May 11, 2015.
Harvested: October 14, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 6.0.
Fertilization: 30 lb N, 90 lb P_2O_5, and 70 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, and field cultivated; Pendimethalin, Reflex, Gramoxone, Acephate, Staple, MSMA, Diuron, Mepiquat, and Warrant used for weed control; Prevathon, Bidrin, and Bifenthrin used for insect control; Telone II used for nematode control; Dropp, Def, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.35	1.25	4.60	1.75	0.00	0.00
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

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

Plains, Georgia:
Cotton Strains Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DG CT15426	**1978**	46.1	82.5	1.16	28.3	4.4
DG CT15557	**1857**	46.0	82.7	1.14	28.3	4.8
AMDG-7824	**1821**	44.1	83.9	1.18	31.0	4.5
GA 2012082	**1784**	43.3	82.6	1.21	32.3	4.7
GA 2012141	**1783**	43.4	84.0	1.21	31.2	4.5
GA 2011113	**1778**	45.8	83.3	1.17	31.2	5.2
ATX DGX12WSTR-755 B2RF	**1731**	44.1	83.5	1.23	30.5	4.6
ATX CT 15634 B2RF	1664	45.2	84.6	1.19	30.9	4.8
GA 2012050	1657	41.0	84.2	1.16	32.7	4.7
GA 2012085	1618	44.5	83.5	1.17	32.1	4.9
DG CT14555	1568	42.7	83.8	1.23	31.3	4.2
GA 2012025	1531	43.1	84.1	1.19	32.6	4.6
ATX CT 15445 B2RF	1518	44.0	84.8	1.17	32.4	4.4
ATX CT 15444 B2XF	1511	42.6	84.9	1.21	34.8	5.0
NB502-38Y cv	1509	44.3	83.7	1.23	30.6	4.7
ATX CT 15425 B2XF	1482	43.0	84.0	1.21	33.8	4.7
Average	1674	43.9	83.7	1.19	31.5	4.6
LSD 0.01	253	1.0	N.S.[1]	0.04	1.9	0.3
CV%	12.7	1.9	1.0	2.00	3.5	4.0

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: November 16, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.2.
Fertilization: 0 lb N, 80 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 85 lb N and 1.25 lb Boron/acre.
Previous Crop: Soybeans.
Management: Disked twice, subsoiled/bedded, and rototilled; Prowl, Reflex, MSMA, Diuron, and Staple used for weed control; Bidren, Bifen, and Belt used for insect control; Mepiquat used for PGR; irrigated 5 inches.

	May	June	July	Aug.	Sept.	Oct.	Nov. 1-16
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.37	4.55

Trials conducted by D. Dunn, D. Pearce, W. Jones, R. Brooke, B. McCranie, and G. South.

Tifton, Georgia:
Cotton Strains Performance, 2015, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
ATX CT 15634 B2RF	**1688**	47.1	83.6	1.18	31.2	4.7
GA 2012085	**1593**	45.7	84.5	1.17	34.3	4.7
DG CT15426	**1522**	46.1	82.9	1.15	31.3	4.8
GA 2012141	1479	44.3	84.0	1.21	31.7	4.7
GA 2011113	1458	44.5	83.4	1.17	32.1	4.6
GA 2012082	1436	42.2	83.2	1.19	34.1	4.6
AMDG-7824	1421	45.7	81.5	1.11	29.2	4.7
GA 2012050	1416	42.9	84.5	1.16	35.9	5.2
GA 2012025	1368	43.1	83.3	1.19	34.4	4.8
NB502-38Y cv	1339	43.1	84.2	1.25	33.3	4.5
ATX CT 15445 B2RF	1299	44.2	84.5	1.19	36.0	4.6
ATX CT 15444 B2XF	1274	42.6	85.2	1.20	35.4	5.1
DG CT14555	1250	43.1	84.8	1.23	33.0	4.2
DG CT15557	1235	44.1	83.0	1.16	30.3	4.8
ATX CT 15425 B2XF	1230	41.7	84.1	1.21	34.8	4.7
ATX DGX12WSTR-755 B	1184	43.2	83.3	1.23	31.8	4.6
Average	1387	44.0	83.7	1.19	33.0	4.7
LSD 0.01	185	0,8	1.4	0.04	2.5	0.4
CV%	11.2	1.5	0.9	1.90	4.3	4.9

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 9, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 18 lb N, 54 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 and subsoiled/bedded; Reflex, Cotoran, Prowl, Envoke, and Select used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	0.00	1.00	0.00	0.00	0.00
Rainfall (in):	0.35	5.48	6.31	6.91	2.28	2.10

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Yield Summary of Cotton Strains, 2015, Irrigated

Variety	Lint Yield[a] Midville	Plains	Tifton	3-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre				%	%	inches	g/tex	units
DG CT15426	**2183** [2]	**1978** [1]	**1522** [3]	**1894** [1]	46.5	83.1	1.16	29.6	4.6
DG CT15557	**2185** [1]	**1857** [2]	1235 [14]	**1759** [2]	45.5	83.1	1.15	29.2	4.7
GA 2011113	**2009** [5]	**1778** [6]	1458 [5]	**1748** [3]	45.0	83.4	1.18	31.8	4.7
AMDG-7824	**1987** [6]	**1821** [3]	1421 [7]	**1743** [4]	45.0	82.6	1.15	29.6	4.5
ATX CT 15634 B2RF	1837 [12]	1664 [8]	**1688** [1]	**1730** [5]	46.5	84.3	1.18	30.6	4.7
GA 2012141	1852 [10]	**1783** [5]	1479 [4]	1704 [6]	44.2	84.0	1.21	31.1	4.5
GA 2012082	1887 [9]	**1784** [4]	1436 [6]	1702 [7]	42.7	83.4	1.21	33.0	4.6
GA 2012050	1961 [8]	1657 [9]	1416 [8]	1678 [8]	42.3	84.3	1.17	34.4	4.7
GA 2012085	1759 [15]	1618 [10]	**1593** [2]	1657 [9]	44.8	84.1	1.17	32.7	4.8
GA 2012025	**2025** [3]	1531 [12]	1368 [9]	1642 [10]	43.3	83.6	1.20	33.2	4.6
ATX DGX12WSTR-755 B2RF	**1977** [7]	**1731** [7]	1184 [16]	1631 [11]	43.9	83.7	1.24	31.4	4.5
ATX CT 15445 B2RF	**2024** [4]	1518 [13]	1299 [11]	1614 [12]	43.7	84.7	1.20	33.5	4.4
NB502-38Y cv	1844 [11]	1509 [15]	1339 [10]	1564 [13]	43.5	84.0	1.24	31.6	4.5
DG CT14555	1804 [13]	1568 [11]	1250 [13]	1541 [14]	42.6	84.1	1.24	31.8	4.1
ATX CT 15444 B2XF	1773 [14]	1511 [14]	1274 [12]	1519 [15]	43.1	85.1	1.21	34.7	4.9
ATX CT 15425 B2XF	1616 [16]	1482 [16]	1230 [15]	1442 [16]	43.0	84.4	1.22	33.8	4.5
Average	1920	1674	1387	1660	44.1	83.9	1.19	32.0	4.6
LSD 0.10	211	253	185	168	1.2	0.8	0.02	1.1	0.2
CV %	9.2	12.7	11.2	11.1	1.7	1.0	2.03	3.5	4.4

[a] Superscripts indicate ranking at that location.
Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Athens, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
MON 15R513B2XF	**595**	44.5	81.7	1.16	24.9	4.9
PHY 499 WRF	**563**	44.9	81.9	1.11	26.5	4.9
DG CT14515	471	45.1	82.6	1.16	26.9	5.0
PHY 487 WRF	457	44.7	80.8	1.10	24.3	5.1
BRS 335	448	42.6	82.1	1.16	26.8	4.8
SSG HQ 212 CT	446	44.1	82.1	1.17	27.3	5.0
DP 1614 B2XF	404	45.7	82.2	1.18	25.7	4.8
PHY 339 WRF	401	44.5	81.8	1.17	26.0	4.6
PHY 312 WRF	398	45.7	82.0	1.17	26.0	4.9
NG 3405 B2XF	395	44.3	80.5	1.14	24.8	5.1
DP 1522 B2XF	383	44.0	81.5	1.17	27.7	5.0
GA 2011124	376	46.3	79.8	1.13	27.5	5.0
SSG AU 222	374	43.1	81.3	1.12	24.6	4.8
GA 2010102	371	45.7	82.4	1.18	26.8	5.0
PHY 333 WRF	366	43.8	82.6	1.16	27.5	4.9
CG 3475 B2XF	363	45.0	82.7	1.15	28.0	4.9
SSG HQ 210 CT	332	40.4	82.6	1.16	26.3	4.3
GA 2009100	304	42.5	83.5	1.19	28.1	4.4
PHY 444 WRF	293	44.3	83.0	1.15	26.2	4.6
DG 3385 B2XF	262	45.6	79.2	1.12	22.6	5.0
NG 3406 B2XF	249	44.9	81.8	1.12	24.6	4.7
Average	393	44.4	81.8	1.15	26.1	4.8
LSD 0.01	116	1.8	N.S.[1]	0.06	N.S.	N.S.
CV%	25.1	3.4	1.7	3.01	3.0	6.1

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: December 1, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Cecil sandy loam.
Soil Test: P = High, K = High, and pH = 6.5.
Fertilization: 66 lb N, 66 lb P_2O_5, and 66 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, chisel plowed, and field cultivated; Prowl, Reflex, and Cotoran used for weed control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.	Nov.
Rainfall (in):	2.25	2.81	4.17	6.42	5.24	8.20	9.84

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

Midville, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 487 WRF	**842**	44.5	82.4	1.05	29.9	5.6
DP 1522 B2XF	**812**	45.3	82.0	1.08	30.8	5.3
BRS 335	**807**	42.6	81.6	1.07	31.2	5.0
PHY 499 WRF	**793**	45.9	83.2	1.05	32.0	5.3
DG CT14515	**780**	44.2	83.3	1.14	32.6	5.5
SSG AU 222	**777**	43.6	82.6	1.12	32.4	5.1
DG 3385 B2XF	**762**	45.5	83.9	1.10	29.0	5.4
PHY 312 WRF	**744**	46.0	83.8	1.12	30.9	5.0
SSG HQ 212 CT	**742**	40.2	82.3	1.11	33.5	5.4
PHY 333 WRF	**724**	46.9	83.1	1.10	30.3	5.0
GA 2011124	**719**	44.2	82.2	1.10	30.6	5.4
PHY 444 WRF	**711**	46.1	83.9	1.14	30.9	4.6
PHY 339 WRF	706	45.0	84.6	1.12	33.1	4.9
NG 3405 B2XF	683	45.3	81.9	1.03	26.3	5.2
GA 2010102	669	44.5	82.5	1.07	29.8	5.2
DP 1614 B2XF	669	45.6	83.7	1.14	32.4	5.6
SSG HQ 210 CT	632	40.5	80.5	1.03	33.2	5.4
NG 3406 B2XF	613	45.3	81.4	1.06	30.1	5.0
GA 2009100	611	40.7	82.9	1.14	34.7	4.8
MON 15R513B2XF	606	44.7	82.9	1.11	29.4	5.4
CG 3475 B2XF	589	43.2	83.3	1.09	31.9	5.0
Average	714	44.3	82.7	1.09	31.2	5.2
LSD 0.01	134	0.6	1.2	0.04	1.8	0.3
CV%	15.9	1.2	0.9	2.40	3.4	2.9

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, for quality testing.

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

Planted: May 11, 2015.
Harvested: October 13, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.2.
Fertilization: 30 lb N, 40 lb P_2O_5, and 56 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Cotton.
Management: Disked, subsoiled/bedded, and field cultivated; Pendimethalin, Reflex, Gramoxone, Acephate, Staple, MSMA, Diuron, Mepiquat, and Warrant used for weed control; Prevathon, Bidrin, and Bifenthrin used for insect control; Telone II used for nematode control; Dropp, Def, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
MON 15R513B2XF	**1222**	42.9	83.0	1.16	28.2	4.7
DG 3385 B2XF	**1191**	44.3	81.8	1.13	27.5	4.7
SSG AU 222	**1180**	42.3	82.6	1.16	28.9	5.1
DP 1614 B2XF	**1166**	45.6	84.0	1.19	29.6	5.0
NG 3405 B2XF	**1115**	44.1	82.0	1.10	27.3	4.8
NG 3406 B2XF	**1105**	43.7	82.0	1.12	28.4	4.5
DP 1522 B2XF	**1104**	43.6	81.2	1.15	29.2	4.9
DG CT14515	**1101**	42.7	81.3	1.15	31.8	4.8
PHY 487 WRF	**1066**	44.2	81.4	1.12	28.7	5.4
PHY 444 WRF	**1066**	45.2	83.3	1.22	31.7	3.9
PHY 499 WRF	1030	46.4	83.1	1.10	31.5	4.9
BRS 335	1028	40.7	82.0	1.13	30.9	4.8
CG 3475 B2XF	1014	40.9	82.3	1.16	30.1	4.5
PHY 333 WRF	983	44.8	82.9	1.18	29.7	4.4
GA 2011124	976	45.0	81.8	1.11	28.7	5.0
PHY 312 WRF	925	43.7	83.2	1.15	30.2	4.8
PHY 339 WRF	882	43.1	83.4	1.15	31.1	4.6
GA 2010102	844	44.5	83.2	1.14	30.3	5.3
GA 2009100	797	40.4	83.2	1.21	32.3	4.0
SSG HQ 212 CT	796	41.4	80.0	1.09	29.3	5.2
SSG HQ 210 CT	745	38.6	82.1	1.13	31.9	5.0
Average	1016	43.2	82.3	1.14	29.9	4.8
LSD 0.01	166	1.3	1.2	0.03	1.8	0.4
CV%	13.9	2.6	0.8	1.49	3.4	4.5

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: November 17, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.2.
Fertilization: 0 lb N, 0 lb P_2O_5, and 20 lb K_2O/acre. Sidedress: 85 lb N and 1.25 lb Boron/acre.
Previous Crop: Soybeans.
Management: Disked twice, subsoiled/bedded, and rototilled; Prowl, Reflex, MSMA, Diuron, and Staple used for weed control; Bidrin, Bifen, and Belt used for insect control; Mepiquat used for PGR.

	May	June	July	Aug.	Sept.	Oct.	Nov. 1-16
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.34	4.55

Trials conducted by D. Dunn, D. Pearce, R. Brooke, B. McCranie, and G. South.

Tifton, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**1609**	47.6	83.2	1.15	33.3	4.3
PHY 312 WRF	**1510**	45.1	83.6	1.11	33.5	4.5
DG CT14515	**1435**	44.3	82.2	1.14	34.1	5.1
GA 2011124	**1409**	43.1	81.3	1.10	31.2	4.9
PHY 487 WRF	**1393**	41.9	82.0	1.07	29.9	5.3
SSG AU 222	1388	40.7	83.3	1.14	33.6	4.9
GA 2010102	1368	43.3	82.1	1.09	32.8	5.1
PHY 499 WRF	1363	42.8	83.1	1.10	33.8	5.1
MON 15R513B2XF	1351	42.7	83.4	1.14	33.1	5.0
DP 1522 B2XF	1322	43.1	83.2	1.12	31.1	5.0
DG 3385 B2XF	1320	44.7	82.5	1.08	29.4	4.8
CG 3475 B2XF	1306	40.4	82.6	1.07	31.8	4.7
PHY 339 WRF	1303	42.3	83.4	1.12	33.6	4.4
DP 1614 B2XF	1298	44.0	84.4	1.14	33.7	5.1
PHY 333 WRF	1266	44.1	83.8	1.10	31.7	4.5
NG 3405 B2XF	1257	44.0	82.1	1.08	29.2	4.8
BRS 335	1254	42.4	81.9	1.09	30.5	4.8
SSG HQ 212 CT	1179	39.6	82.3	1.06	32.5	5.0
SSG HQ 210 CT	1109	39.6	81.7	1.06	29.8	4.9
NG 3406 B2XF	1076	42.0	83.1	1.10	30.1	5.0
GA 2009100	995	40.1	83.5	1.16	35.6	4.3
Average	1310	42.7	82.8	1.10	32.1	4.8
LSD 0.01	219	1.2	N.S.[1]	0.05	2.1	0.4
CV%	14.1	2.4	1.3	2.53	3.8	5.1

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 9, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 18 lb N, 54 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 and subsoiled/bedded; Reflex, Cotoran, Prowl, Envoke, and Select used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.35	5.48	6.31	6.91	2.28	2.10

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Yield Summary of Dryland Earlier Maturity Cotton Varieties, 2015

Variety	Lint Yield[a] Athens	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
DG CT14515	471 [3]	**780** [5]	**1101** [8]	**1435** [3]	**947** [1]	44.1	82.3	1.15	31.3	5.1
MON 15R513B2XF	**595** [1]	606 [19]	**1222** [1]	1351 [9]	**944** [2]	43.7	82.7	1.14	28.9	5.0
PHY 487 WRF	457 [4]	**842** [1]	**1066** [9T]	**1393** [5]	**940** [3]	43.8	81.6	1.08	28.2	5.3
PHY 499 WRF	**563** [2]	**793** [4]	1030 [10]	1363 [8]	**938** [4]	45.0	82.8	1.09	30.9	5.0
SSG AU 222	374 [13]	**777** [6]	**1180** [3]	1388 [6]	**930** [5]	42.4	82.4	1.13	29.9	4.9
PHY 444 WRF	293 [19]	**711** [12]	**1066** [9T]	**1609** [1]	**920** [6]	45.8	83.4	1.16	30.5	4.3
DP 1522 B2XF	383 [11]	**812** [2]	**1104** [7]	1322 [10]	**905** [7]	44.0	82.0	1.13	29.7	5.0
PHY 312 WRF	398 [9]	**744** [8]	925 [15]	**1510** [2]	**894** [8]	45.1	83.1	1.13	30.2	4.8
DG 3385 B2XF	262 [20]	**762** [7]	**1191** [2]	1320 [11]	**884** [9T]	45.0	81.8	1.10	27.1	5.0
DP 1614 B2XF	404 [7]	669 [15T]	**1166** [4]	1298 [14]	**884** [9T]	45.2	83.6	1.16	30.3	5.1
BRS 335	448 [5]	**807** [3]	1028 [11]	1254 [17]	**884** [9T]	42.1	81.9	1.11	29.9	4.8
GA 2011124	376 [12]	**719** [11]	976 [14]	**1409** [4]	**870** [10]	44.7	81.2	1.11	29.5	5.0
NG 3405 B2XF	395 [10]	683 [14]	**1115** [5]	1257 [16]	**863** [11]	44.4	81.6	1.08	26.9	4.9
PHY 333 WRF	366 [15]	**724** [10]	983 [13]	1266 [15]	**835** [12]	44.9	83.1	1.13	29.8	4.7
PHY 339 WRF	401 [8]	706 [13]	882 [16]	1303 [13]	823 [13]	43.7	83.3	1.14	30.9	4.6
CG 3475 B2XF	363 [16]	589 [20]	1014 [12]	1306 [12]	818 [14]	42.4	82.7	1.12	30.4	4.8
GA 2010102	371 [14]	669 [15T]	844 [17]	1368 [7]	813 [15]	44.5	82.5	1.12	29.9	5.1
SSG HQ 212 CT	446 [6]	**742** [9]	796 [19]	1179 [18]	791 [16]	41.3	81.7	1.10	30.6	5.1
NG 3406 B2XF	249 [21]	613 [17]	**1105** [6]	1076 [20]	761 [17]	44.0	82.1	1.10	28.3	4.8
SSG HQ 210 CT	332 [17]	632 [16]	745 [20]	1109 [19]	704 [18]	39.8	81.7	1.09	30.3	4.9
GA 2009100	304 [18]	611 [18]	797 [18]	995 [21]	677 [19]	40.9	83.3	1.17	32.7	4.4
Average	393	714	1016	1310	858	43.7	82.4	1.12	29.8	4.9
LSD 0.10	116	134	166	219	115	1.2	0.9	0.03	1.3	0.2
CV %	25.1	15.9	13.9	14.1	16.1	2.6	1.2	2.4	3.5	4.7

[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], 2014-2015

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1140**	44.4	83.0	1.10	31.2	4.8
PHY 444 WRF	**1127**	45.0	83.4	1.19	30.9	4.1
PHY 487 WRF	**1115**	42.9	81.8	1.09	28.7	4.9
PHY 333 WRF	**1102**	44.5	83.2	1.14	30.0	4.5
SSG AU 222	**1093**	42.2	82.6	1.15	30.4	4.6
BRS 335	1010	41.4	82.3	1.13	30.3	4.6
GA 2010102	912	41.9	83.0	1.14	32.5	5.0
SSG HQ 210 CT	911	39.4	81.9	1.10	30.7	4.7
GA 2009100	867	40.0	83.2	1.16	32.9	4.7
Average	1031	42.4	82.7	1.13	30.8	4.7
LSD 0.10	62	0.5	0.5	0.01	0.7	N.S.[1]
CV%	14.6	2.8	1.0	2.0	3.8	5.4

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

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

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

Athens, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1553 B2XF	**969**	46.1	82.6	1.19	26.9	4.8
DP 1454NR B2RF	**911**	46.6	81.3	1.15	27.4	5.0
PHY 499 WRF	797	45.3	82.6	1.14	29.4	5.0
PHY 495 W3RF	796	45.2	82.0	1.12	29.0	4.9
DP 1555 B2RF	793	47.4	82.1	1.17	27.5	5.0
DP 1558NR B2RF	787	45.6	83.1	1.17	30.3	5.2
PHY 552 WRF	760	45.9	83.4	1.16	29.3	4.8
CG 3885 B2XF	734	45.7	82.0	1.13	26.8	4.8
ST 6182GLT	732	49.8	82.8	1.15	27.1	4.7
ST 5115GLT	728	45.7	81.6	1.13	29.0	5.0
DP 1252 B2RF	714	46.5	83.0	1.15	27.7	5.0
CG 3787 B2RF	713	47.2	81.3	1.14	27.2	5.0
ST 6448GLB2	679	43.1	80.8	1.19	27.7	4.8
GA 2010076	630	43.5	83.8	1.21	30.7	5.3
DG CT15622	626	45.6	84.0	1.17	27.8	4.4
DP 1646 B2XF	602	46.7	81.1	1.21	26.8	4.9
DP 1538 B2XF	599	45.4	82.0	1.11	26.8	4.9
NG 5007 B2XF	583	45.7	82.7	1.17	26.1	4.6
PHY 333 WRF	563	45.3	80.2	1.16	26.4	4.8
BRS 293	551	43.2	83.0	1.15	29.9	5.2
PHY 444 WRF	535	46.3	84.4	1.26	28.6	4.9
GA 230	532	43.1	82.7	1.23	28.9	4.6
GA 2010019	495	45.7	81.7	1.19	27.9	4.6
DP 1639 B2XF	494	45.6	83.6	1.16	27.6	4.9
NG 3405 B2XF	488	44.5	80.2	1.10	25.6	5.0
GA 2009100	483	45.1	82.8	1.21	30.9	4.4
BRS 286	465	42.3	83.2	1.14	29.7	4.8
GA 2009037	457	44.1	80.7	1.14	28.9	4.9
BX 1638GLT	454	44.7	81.6	1.21	29.7	4.8
ST 4946GLB2	450	46.1	80.6	1.12	27.5	5.3
NG 3406 B2XF	442	45.7	82.6	1.15	25.8	4.8
ST 4747GLB2	437	44.6	82.9	1.19	28.1	4.7
Average	625	45.4	82.2	1.16	28.1	4.8
LSD 0.01	167	0.8	1.1	0.04	1.6	0.3
CV%	22.7	1.4	0.8	1.83	3.4	3.4

Athens, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015 (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: December 1, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Cecil sandy loam.
Soil Test: P = High, K = High, and pH = 6.5.
Fertilization: 66 lb N, 66 lb P_2O_5, and 66 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, chisel plowed, and field cultivated; Prowl, Reflex, and Cotoran used for weed control; Telone II used for nematode control.

	May	June	July	Aug.	Sept.	Oct.	Nov.
Rainfall (in):	2.25	2.81	4.17	6.42	5.24	8.20	9.84

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

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
NG 5007 B2XF	**776**	45.6	82.7	1.08	28.8	5.0
PHY 444 WRF	**759**	47.0	82.5	1.15	32.4	4.7
PHY 499 WRF	**737**	45.3	82.5	1.07	34.8	5.0
BX 1638GLT	**730**	45.5	82.5	1.13	33.4	5.1
DP 1538 B2XF	**729**	47.4	82.1	1.05	29.0	5.5
DP 1553 B2XF	**711**	46.7	82.5	1.08	32.1	5.5
GA 2009037	**700**	44.9	82.3	1.11	30.0	5.4
CG 3885 B2XF	**690**	46.2	82.6	1.06	28.8	5.4
DP 1558NR B2RF	**682**	43.9	84.2	1.14	34.7	5.5
DP 1252 B2RF	669	47.0	83.0	1.11	30.0	5.4
DP 1639 B2XF	655	46.2	83.8	1.11	35.0	5.7
DP 1555 B2RF	648	46.5	81.3	1.08	34.7	5.4
ST 6182GLT	644	48.0	82.7	1.10	30.7	5.3
DP 1646 B2XF	640	45.8	83.4	1.16	29.9	5.2
ST 4946GLB2	637	44.4	82.6	1.04	31.6	5.1
DP 1454NR B2RF	632	44.9	82.5	1.09	31.8	5.3
GA 2010076	630	42.5	82.6	1.12	33.6	5.4
NG 3405 B2XF	627	45.2	80.6	1.03	27.4	5.2
PHY 495 W3RF	619	46.2	82.8	1.02	30.7	5.1
NG 3406 B2XF	619	45.4	82.6	1.08	29.8	5.1
CG 3787 B2RF	618	46.8	81.8	1.04	29.3	5.3
GA 2010019	606	43.9	82.5	1.11	33.0	5.0
PHY 333 WRF	596	47.6	82.6	1.09	28.7	4.9
BRS 286	595	41.0	82.2	1.10	34.1	5.1
BRS 293	593	42.7	81.5	1.05	33.6	5.6
ST 6448GLB2	591	44.4	82.7	1.16	30.3	5.3
ST 5115GLT	588	43.3	80.3	1.02	30.0	5.0
DG CT15622	588	45.5	83.4	1.11	30.4	5.2
GA 2009100	544	43.3	83.1	1.12	34.2	4.7
PHY 552 WRF	515	45.8	82.4	1.06	31.8	5.1
GA 230	497	41.9	82.2	1.16	33.2	5.1
ST 4747GLB2	462	43.5	82.2	1.13	28.4	5.4
Average	635	45.1	82.4	1.09	31.4	5.2
LSD 0.01	100	1.0	N.S.[1]	0.04	1.9	0.3
CV%	13.4	1.9	1.3	2.20	3.6	3.0

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015 (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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 11, 2015.
Harvested: October 13, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = High, and pH = 6.2.
Fertilization: 30 lb N, 40 lb P_2O_5, and 56 lb K_2O/acre. Sidedress: 65 lb N/acre.
Previous Crop: Cotton.
Management: Disked, subsoiled/bedded, and field cultivated; Pendimethalin, Reflex, Gramoxone, Acephate, Staple, MSMA, Diuron, Mepiquat, and Warrant used for weed control; Prevathon, Bidrin, and Bifenthrin used for insect control; Telone II used for nematode control; Dropp, Def, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.49	3.31	3.04	3.90	2.93	2.11

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Plains, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1646 B2XF	**1332**	47.2	84.3	1.26	30.2	4.6
DP 1553 B2XF	**1248**	45.4	84.1	1.19	29.7	4.5
DP 1538 B2XF	**1232**	45.4	83.1	1.12	28.4	4.8
CG 3885 B2XF	**1229**	44.7	84.0	1.15	29.6	4.9
DP 1639 B2XF	**1186**	45.8	84.5	1.14	31.1	5.0
NG 3406 B2XF	**1165**	44.2	82.8	1.13	27.8	4.5
DP 1555 B2RF	**1135**	44.4	82.7	1.16	32.3	4.8
ST 6182GLT	**1131**	47.3	84.2	1.18	28.9	4.6
PHY 552 WRF	1086	44.6	84.2	1.16	32.4	4.6
DP 1558NR B2RF	1079	43.1	82.8	1.21	30.2	4.7
ST 5115GLT	1074	42.5	81.4	1.11	30.9	4.6
GA 230	1067	43.5	83.7	1.25	30.9	4.6
GA 2010076	1063	43.0	83.5	1.16	32.1	5.2
NG 5007 B2XF	1063	43.5	82.6	1.16	29.1	4.7
DG CT15622	1048	43.1	83.2	1.14	30.5	4.8
BX 1638GLT	1042	44.5	83.7	1.17	31.3	4.7
NG 3405 B2XF	1023	41.6	83.8	1.15	27.6	4.4
CG 3787 B2RF	1013	43.9	83.6	1.19	29.7	4.7
ST 4946GLB2	1010	42.6	84.8	1.18	30.9	4.6
DP 1252 B2RF	1005	44.8	84.7	1.18	30.8	4.9
GA 2009037	1002	43.1	83.0	1.21	31.0	5.0
GA 2009100	991	42.3	83.0	1.19	32.7	4.4
GA 2010019	977	41.8	83.3	1.17	30.6	4.4
PHY 495 W3RF	968	43.3	83.1	1.11	30.6	4.8
PHY 444 WRF	963	45.2	83.9	1.18	31.6	4.6
PHY 499 WRF	950	44.1	82.9	1.17	30.3	4.4
ST 6448GLB2	941	40.2	83.4	1.21	30.1	4.7
BRS 286	939	43.0	83.5	1.17	31.9	5.0
DP 1454NR B2RF	937	44.2	83.8	1.15	30.3	4.5
PHY 333 WRF	823	44.9	82.2	1.12	29.0	4.8
ST 4747GLB2	759	41.8	82.6	1.18	30.1	4.5
BRS 293	589	39.2	82.6	1.13	32.7	5.0
Average	1033	43.7	83.4	1.17	30.4	4.7
LSD 0.01	201	1.4	N.S.[1]	0.06	2.0	N.S.
CV%	14.2	2.3	1.4	2.88	3.8	5.8

Plains, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015 (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: November 17, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = High, K = Very High, and pH = 6.2.
Fertilization: 0 lb N, 0 lb P_2O_5, and 20 lb K_2O/acre. Sidedress: 85 lb N and 1.25 lb Boron/acre.
Previous Crop: Soybeans.
Management: Disked twice, subsoiled/bedded, and rototilled; Prowl, Reflex, MSMA, Diuron, and Staple used for weed control; Bidrin, Bifen, and Belt used for insect control; Mepiquat used for PGR.

	May	June	July	Aug.	Sept.	Oct.	Nov. 1-16
Rainfall (in):	1.85	1.85	5.26	7.33	6.67	1.34	4.55

Trials conducted by D. Dunn, D. Pearce, R. Brooke, B. McCranie, and G. South.

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**2038**	45.1	84.5	1.23	33.2	4.1
DP 1538 B2XF	**2030**	43.4	83.2	1.10	28.8	4.5
CG 3787 B2RF	**1945**	42.3	83.8	1.16	31.4	4.6
PHY 552 WRF	**1919**	42.0	85.3	1.17	34.5	4.3
DP 1252 B2RF	**1905**	45.0	84.0	1.15	30.0	4.8
PHY 333 WRF	**1904**	42.6	83.7	1.15	32.2	4.3
DP 1646 B2XF	**1848**	43.0	84.1	1.23	30.0	4.5
GA 2009037	**1832**	41.8	82.1	1.15	30.8	4.8
PHY 495 W3RF	**1827**	41.8	84.0	1.11	33.2	4.5
ST 5115GLT	1775	39.0	83.0	1.16	33.2	4.2
NG 3405 B2XF	1768	41.4	82.8	1.1	27.8	4.5
PHY 499 WRF	1743	43.4	84.4	1.16	34.9	4.6
DP 1553 B2XF	1733	43.9	84.4	1.19	29.9	4.7
ST 6448GLB2	1731	40.7	83.0	1.20	31.5	4.6
ST 6182GLT	1723	44.6	83.6	1.15	31.2	4.5
DP 1454NR B2RF	1720	42.7	84.1	1.13	33.6	4.9
DP 1555 B2RF	1718	42.5	83.6	1.19	33.6	4.3
CG 3885 B2XF	1712	42.9	83.6	1.15	29.8	4.6
ST 4946GLB2	1685	40.9	84.0	1.14	31.3	4.4
DP 1558NR B2RF	1611	44.5	83.4	1.14	34.9	4.9
NG 5007 B2XF	1595	41.6	83.7	1.18	30.6	4.4
BRS 293	1588	39.8	83.8	1.17	37.2	5.0
GA 2010076	1585	39.3	83.6	1.18	36.8	4.8
DG CT15622	1581	41.7	84.4	1.17	30.8	4.3
ST 4747GLB2	1560	42.4	83.6	1.19	32.0	4.5
BRS 286	1557	39.1	83.6	1.15	33.4	4.7
BX 1638GLT	1516	42.4	83.5	1.19	34.5	4.6
GA 2010019	1510	41.1	83.4	1.13	31.1	4.5
NG 3406 B2XF	1502	41.8	83.5	1.11	29.0	4.4
DP 1639 B2XF	1458	41.6	84.4	1.14	33.5	4.8
GA 2009100	1434	40.2	83.5	1.18	34.6	4.4
GA 230	1379	38.1	84.6	1.23	32.2	4.6
Average	1701	42	83.7	1.16	32.2	4.5
LSD 0.01	258	1.2	1.0	0.03	2.0	0.2
CV%	12.9	2.4	0.7	1.58	3.8	3.3

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2015 (Continued)

* A random quality 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 lint fraction. A lint sample was sent to the USDA classing office in Macon, Georgia, 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, 2015.
Harvested: October 9, 2015.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 18 lb N, 54 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 and subsoiled/bedded; Reflex, Cotoran, Prowl, Envoke, and Select used for weed control; Orthene, Bidrin, and Blackhawk used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.35	5.48	6.31	6.91	2.28	2.10

Trials conducted by D. Dunn, R. Brooke, B. McCranie, and G. South.

Yield Summary of Dryland Later Maturity Cotton Varieties, 2015

Variety	Lint Yield[a] Athens	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
DP 1553 B2XF	**969** [1]	**711** [6]	**1248** [2]	1733 [13]	**1165** [1]	45.5	83.4	1.16	29.7	4.8
DP 1538 B2XF	599 [17]	**729** [5]	**1232** [3]	**2030** [2]	**1148** [2]	45.4	82.6	1.09	28.2	4.9
DP 1646 B2XF	602 [16]	640 [14]	**1332** [1]	**1848** [7]	**1106** [3]	45.7	83.2	1.21	29.2	4.8
CG 3885 B2XF	734 [8]	**690** [8]	**1229** [4]	1712 [18]	**1091** [4]	44.9	83.1	1.12	28.7	4.9
PHY 444 WRF	535 [21]	**759** [2]	963 [24]	**2038** [1]	**1074** [5T]	45.9	83.8	1.20	31.4	4.6
DP 1555 B2RF	793 [5]	648 [12]	**1135** [7]	1718 [17]	**1074** [5T]	45.2	82.4	1.15	32.0	4.9
DP 1252 B2RF	714 [11]	669 [10]	1005 [19]	**1905** [5]	**1073** [6]	45.8	83.6	1.14	29.6	5.0
CG 3787 B2RF	713 [12]	618 [20]	1013 [17]	**1945** [3]	**1072** [7]	45.0	82.5	1.12	29.3	4.9
PHY 552 WRF	760 [7]	515 [28]	1086 [9]	**1919** [4]	**1070** [8]	44.6	83.8	1.14	32.0	4.7
PHY 499 WRF	797 [3]	**737** [3]	950 [25]	1743 [12]	**1057** [9T]	44.5	83.1	1.13	32.3	4.7
ST 6182GLT	732 [9]	644 [13]	**1131** [8]	1723 [15]	**1057** [9T]	47.4	83.3	1.14	29.4	4.8
PHY 495 W3RF	796 [4]	619 [19T]	968 [23]	**1827** [9]	**1052** [10]	44.1	82.9	1.09	30.9	4.8
DP 1454NR B2RF	**911** [2]	632 [16]	937 [28]	1720 [16]	**1050** [11]	44.6	82.9	1.13	30.8	4.9
ST 5115GLT	728 [10]	588 [26T]	1074 [11]	1775 [10]	**1041** [12]	42.6	81.6	1.10	30.7	4.7
DP 1558NR B2RF	787 [6]	**682** [9]	1079 [10]	1611 [20]	**1040** [13]	44.3	83.4	1.17	32.5	5.1
NG 5007 B2XF	583 [18]	**776** [1]	1063 [13T]	1595 [21]	1004 [14]	44.1	82.9	1.15	28.6	4.7
GA 2009037	457 [28]	**700** [7]	1002 [20]	**1832** [8]	998 [15]	43.5	82.0	1.15	30.2	5.0
ST 6448GLB2	679 [13]	591 [25]	941 [26]	1731 [14]	986 [16]	42.1	82.5	1.19	29.9	4.8
NG 3405 B2XF	488 [25]	627 [18]	1023 [16]	1768 [11]	977 [17T]	43.1	81.8	1.09	27.1	4.7
GA 2010076	630 [14]	630 [17]	1063 [13T]	1585 [23]	977 [17T]	42.1	83.4	1.17	33.3	5.1
PHY 333 WRF	563 [19]	596 [22]	823 [29]	**1904** [6]	972 [18]	45.1	82.2	1.13	29.0	4.7
DG CT15622	626 [15]	588 [26T]	1048 [14]	1581 [24]	961 [19]	44.0	83.7	1.15	29.9	4.7
DP 1639 B2XF	494 [24]	655 [11]	**1186** [5]	1458 [30]	948 [20]	44.8	84.1	1.14	31.8	5.1
ST 4946GLB2	450 [30]	637 [15]	1010 [18]	1685 [19]	946 [21]	43.5	83.0	1.12	30.3	4.8
BX 1638GLT	454 [29]	**730** [4]	1042 [15]	1516 [27]	936 [22]	44.3	82.8	1.17	32.2	4.8
NG 3406 B2XF	442 [31]	619 [19T]	**1165** [6]	1502 [29]	932 [23]	44.3	82.8	1.12	28.1	4.7
GA 2010019	495 [23]	606 [21]	977 [22]	1510 [28]	897 [24]	43.1	82.7	1.15	30.6	4.6
BRS 286	465 [27]	595 [23]	939 [27]	1557 [26]	889 [25]	41.3	83.1	1.14	32.2	4.9
GA 230	532 [22]	497 [29]	1067 [12]	1379 [32]	869 [26]	41.7	83.3	1.22	31.3	4.7
GA 2009100	483 [26]	544 [27]	991 [21]	1434 [31]	863 [27]	42.7	83.1	1.17	33.1	4.4
BRS 293	551 [20]	593 [24]	589 [31]	1588 [22]	830 [28]	41.2	82.7	1.12	33.3	5.2
ST 4747GLB2	437 [32]	462 [30]	759 [30]	1560 [25]	804 [29]	43.1	82.8	1.17	29.6	4.8
Average	625	635	1033	1701	999	44	82.9	1.14	30.5	4.8
LSD 0.10	167	100	201	258	143	1.1	0.8	0.02	1.2	0.2
CV %	22.7	13.4	14.2	12.9	15.7	1.1	2.2	2.17	3.6	4.0

[a] Superscripts indicate ranking at that location.

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

Two-Year Summary of Dryland Later Maturity Cotton Varieties at Four Locations[a], 2014-2015

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 499 WRF	**1256**	44.2	83.2	1.13	32.3	4.7
PHY 333 WRF	**1249**	44.1	82.7	1.16	29.5	4.4
CG 3787 B2RF	**1240**	44.6	82.8	1.14	29.4	4.7
ST 4946GLB2	**1217**	42.6	83.2	1.13	31.0	4.6
PHY 495 W3RF	**1204**	43.6	83.2	1.11	31.4	4.6
DP 1454NR B2RF	**1171**	44.0	82.5	1.12	30.1	4.8
DP 1558NR B2RF	**1162**	44.1	83.1	1.15	32.4	5.0
GA 2010076	**1157**	41.3	83.4	1.17	33.0	4.9
ST 6448GLB2	**1143**	41.5	82.3	1.19	29.9	4.6
DP 1555 B2RF	**1139**	45.1	82.5	1.15	31.8	4.7
DP 1252 B2RF	**1128**	45.5	83.8	1.14	29.7	4.9
ST 6182GLT	**1115**	47.6	83.0	1.15	29.6	4.7
GA 2010019	**1078**	42.3	82.8	1.15	30.7	4.5
ST 4747GLB2	**1072**	42.1	82.3	1.18	29.6	4.5
GA 230	**1025**	40.6	83.0	1.22	31.3	4.4
GA 2009100	**977**	40.7	82.8	1.17	32.7	4.6
Average	1146	43.4	82.9	1.15	30.9	4.7
LSD 0.01	N.S.[1]	0.3	0.7	0.02	0.6	0.1
CV%	13.5	1.8	1.2	1.98	3.5	3.9

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

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

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

TOBACCO

Tifton, Georgia:
Official Flue-Cured Tobacco Variety Test -
Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2015

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
NC 938	2854	4422	155.0	78	23	53.4	77	1.80	16.8	9.31
SP 168	2798	4068	145.0	74	23	47.9	75	1.75	17.6	10.06
XHN 64	2793	4839	173.0	85	24	50.5	77	1.71	18.5	10.80
CC 27	2695	4713	175.0	87	21	47.9	66	1.94	17.7	9.12
CC 1063	2687	4631	172.0	84	23	51.6	75	1.94	17.5	9.01
NC 297	2650	4244	161.0	81	22	48.6	70	2.20	19.3	8.78
PVH 2254	2637	3792	146.0	74	24	54.8	73	1.55	18.9	12.17
CC 13	2624	4406	168.0	84	23	48.5	69	1.86	17.6	9.48
PVH 1600	2621	4535	173.0	86	22	50.0	71	1.93	18.0	9.33
NC 196	2611	4232	164.0	82	23	50.9	74	2.01	18.1	9.03
PXH 16	2592	4484	172.0	85	27	52.7	75	1.91	18.7	9.83
GL 368	2589	4753	184.0	88	22	50.2	68	2.26	16.7	7.38
NC 72	2560	4278	167.0	83	24	51.5	74	1.66	16.2	9.77
PVH 1452	2539	4547	179.0	87	23	48.7	68	1.85	17.2	9.29
PVH 2275	2534	4420	174.0	86	22	49.9	68	2.84	13.8	4.85
NC 71	2526	3327	132.0	66	24	46.7	76	1.88	18.1	9.60
CC 143	2518	4551	169.0	85	25	52.2	73	1.72	17.7	10.31
GL 398	2518	3661	148.0	74	24	51.6	77	2.19	17.4	7.94
SP 225	2515	4002	161.0	81	22	51.3	72	1.87	18.0	9.62
NC 925	2510	3476	138.0	69	24	50.9	73	1.90	17.6	9.31
GF 318	2500	4158	166.0	82	23	49.0	67	2.05	18.2	8.85
K 326	2494	3610	145.0	74	23	47.9	72	1.71	17.2	10.10
CC 37	2431	3859	158.0	78	23	51.1	75	1.51	18.4	12.21
CC 33	2402	3974	166.0	82	24	50.5	75	1.64	18.3	11.17
K 346	2352	4202	179.0	86	20	42.9	64	1.98	19.4	9.81
NC 960	2352	4100	175.0	86	23	49.3	74	2.18	16.0	7.33
NC 471	2349	3867	164.0	81	24	52.9	73	1.71	17.5	10.21
CC 700	2325	4072	175.0	86	22	47.0	67	1.92	16.4	8.53
NC 606	2323	4052	174.0	86	23	53.5	73	1.85	19.8	10.73
PVH 2110	2301	3886	169.0	84	25	52.5	71	1.98	18.6	9.41
GL 939	2288	3711	162.0	81	20	41.6	64	2.17	17.6	8.08
NC 95	2275	2824	124.0	64	23	52.5	73	2.00	18.7	9.39
GL 338	2243	4016	178.0	87	20	45.8	64	1.78	17.4	9.78
GL 395	2241	3714	167.0	83	23	50.3	67	1.96	17.1	8.72
PVH 2310	2233	4090	183.0	89	22	52.1	75	2.20	11.1	5.03
CC 35	2164	3405	158.0	80	22	55.8	77	1.91	16.9	8.88
K 730	2146	3393	157.0	79	23	45.9	68	2.35	15.6	6.63
NC2326	1818	2593	142.0	73	20	46.3	68	2.07	17.5	8.49
LSD @ 0.05	406.4	809.9	23.6	9.61						

Tifton, Georgia:
Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2015 (Continued)

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.
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, 2013, 2014, and 2015

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
3 Year Average 2013, 2014 and 2015										
GF 318	3145	4774	154	77	21	44.8	71	1.98	18.7	9.53
SP 168	3089	4376	142	71	20	42.1	75	1.98	17.9	9.15
NC 938	3069	4400	146	73	21	44.7	76	1.79	16.8	9.47
CC 27	3029	4755	159	78	20	44.5	72	2.00	17.5	9.02
PVH 2254	3020	4779	157	77	22	48.2	75	1.66	18.7	11.27
PVH 2110	2976	4760	161	80	23	48.4	75	1.91	18.4	9.92
CC 13	2955	4610	158	78	22	45.6	70	1.87	17.7	9.83
CC 700	2950	4613	158	78	20	43.3	70	1.95	16.2	8.46
CC 1063	2943	4883	167	81	21	45.7	73	2.07	17.0	8.34
NC 196	2932	4345	151	75	22	48.0	76	1.86	18.0	9.78
PVH 2275	2925	4863	167	82	21	45.3	72	2.39	15.6	6.91
PVH 1452	2923	4831	167	81	21	45.2	72	1.91	16.5	8.66
NC 72	2893	4366	152	75	22	46.7	77	1.86	17.5	9.43
GL 395	2848	4345	156	78	21	45.7	71	2.13	16.4	7.94
GL 338	2846	4595	163	80	20	43.8	67	2.02	16.7	8.72
CC 37	2842	4373	153	75	21	44.6	75	1.76	17.4	10.07
K 346	2829	4404	157	76	20	42.2	68	2.01	18.1	9.03
NC 297	2820	4246	150	75	21	44.4	72	2.13	18.2	8.75
NC 925	2808	3924	140	70	21	42.7	74	1.99	17.1	8.71
NC 71	2739	4276	155	78	22	42.5	77	1.93	18.5	9.76
K 326	2695	4315	160	81	21	43.2	75	1.96	17.5	9.09
CC 35	2668	3968	150	74	21	49.2	78	1.92	16.7	8.99
CC 33	2642	4006	153	75	21	44.5	78	1.70	17.6	10.75
NC 95	2461	3738	151	77	21	47.7	76	1.99	17.9	9.02
NC2326	2111	3420	160	82	19	43.1	68	2.26	17.1	7.75

Tifton, Georgia:
Three- and Two-Year Averages of Official Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2013, 2014, and 2015 (Continued)

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
2 Year Average 2014-2015										
NC 938	3180	4344	138	70	22	46.8	82	1.91	17.0	8.93
GF 318	3086	4259	142	71	22	43.9	74	2.14	18.8	8.82
SP 168	3078	3960	129	66	21	43.6	76	2.04	17.7	8.85
CC 1063	3076	5071	166	81	22	47.4	76	2.16	16.8	7.89
CC 27	3034	4564	154	77	21	44.4	72	2.22	18.1	8.30
CC 143	3024	4804	157	79	24	48.1	77	1.70	18.2	10.70
NC 196	3001	4194	143	72	23	49.1	78	1.99	18.1	9.10
CC 13	3001	4479	151	76	23	45.6	73	2.08	17.4	8.48
PVH 2254	2994	4481	149	75	22	49.3	78	1.71	19.4	11.40
GL 398	2982	3956	134	68	22	46.4	77	2.02	18.5	9.24
PVH 2275	2976	4754	161	80	22	46.7	73	2.73	15.1	5.55
PVH 2110	2911	4555	159	79	23	47.7	77	2.09	18.1	8.72
NC 72	2859	3938	141	70	23	47.5	79	1.91	17.4	9.16
PVH 1452	2828	4519	162	79	22	46.2	74	1.97	17.2	8.78
GL 395	2820	4189	152	76	21	46.0	73	2.31	16.5	7.35
NC 925	2809	3613	129	65	22	44.1	78	2.09	17.5	8.44
CC 700	2806	4206	154	76	20	43.3	73	2.10	16.0	7.71
SP 225	2806	4205	151	76	22	47.4	75	2.10	17.2	8.33
NC 297	2768	3924	141	71	21	43.9	75	2.31	18.0	7.84
K 346	2721	4020	151	74	19	40.9	70	2.07	18.3	8.88
GL 338	2715	4177	157	77	20	43.7	67	2.20	16.3	7.79
PVH 2310	2700	4744	177	86	22	49.3	78	2.14	13.5	6.35
CC 37	2677	3962	147	72	22	45.4	78	1.82	18.5	10.45
NC 71	2627	3940	149	75	22	43.0	82	2.09	18.5	8.93
CC 35	2603	3690	143	71	22	50.0	77	2.11	16.8	8.05
K 326	2587	4042	156	79	22	43.8	79	2.03	17.3	8.71
CC 33	2539	3663	147	73	21	44.3	83	1.87	17.3	9.45
NC 95	2362	3422	144	74	23	49.0	79	2.02	18.2	9.03
NC2326	1991	3134	156	80	20	43.7	71	2.43	17.1	7.22

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.

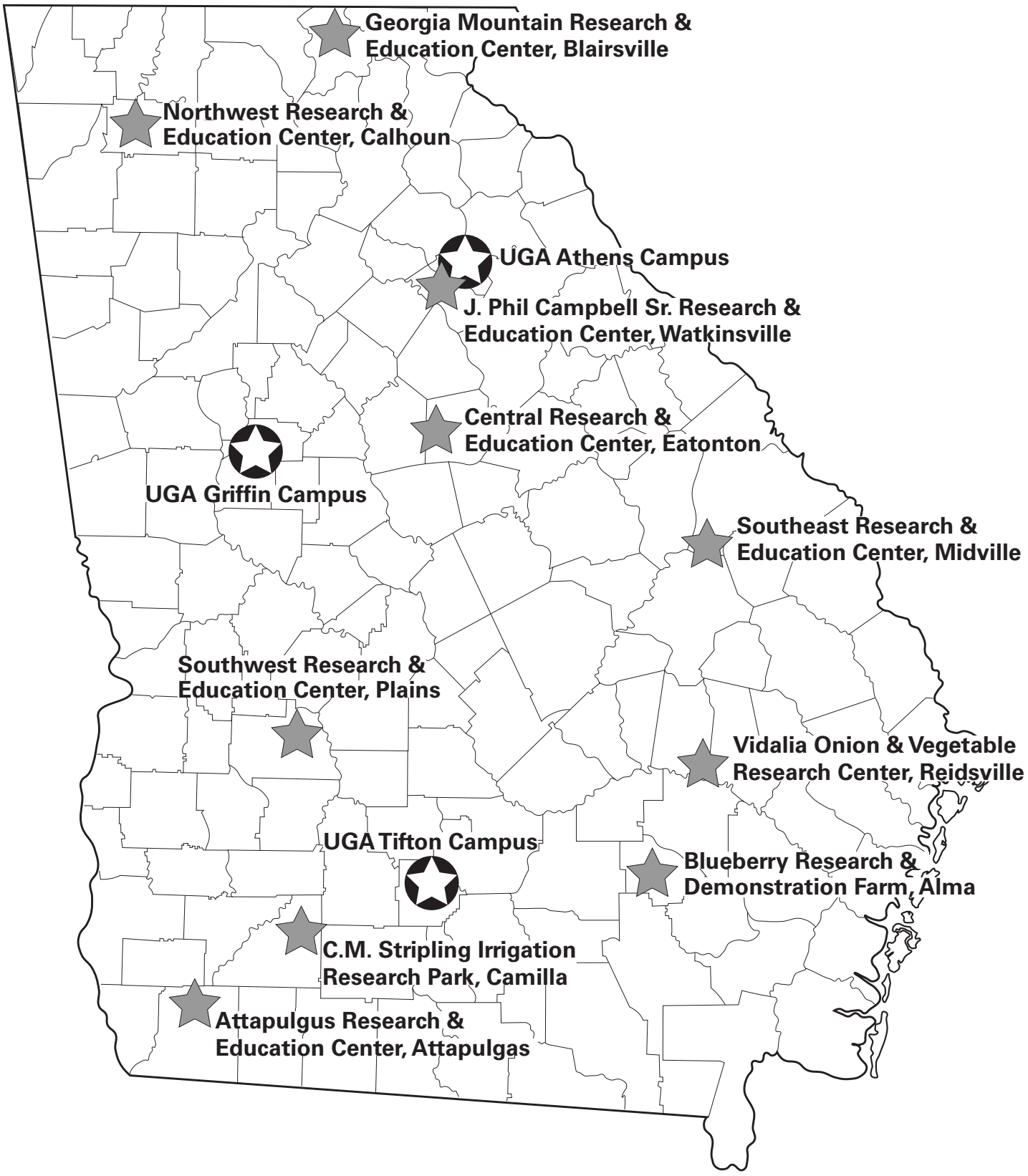
Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test -
Comparison of Varieties for Certain Characteristics, 2015

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
XHN 60	2667	3910	148	75	23	52.8	75	2.20	17.4	7.90
NCEX 70	2622	3825	147	73	25	51.5	74	1.91	16.3	8.53
K 326	2621	4090	156	78	23	48.5	71	2.01	18.6	9.26
GLEX 976	2596	4073	157	79	24	49.3	74	1.69	17.9	10.59
NCEX 72	2564	3910	152	77	24	48.2	75	1.89	17.1	9.08
NC EX 71	2564	4002	155	78	24	49.8	75	1.87	18.4	9.84
CU 201	2562	3704	145	74	26	55.5	81	1.78	18.4	10.31
CU 156	2537	3833	152	76	23	51.6	72	2.26	17.6	7.76
GLEX 328	2496	3753	150	76	23	45.8	73	1.95	19.4	9.99
XHN 52	2471	3965	161	81	23	50.5	70	2.00	17.4	8.69
CU 181	2445	3842	157	79	25	54.9	75	2.04	18.2	8.92
CCEX 4	2390	3775	158	81	23	49.5	72	1.84	18.3	9.98
CU 183	2364	3845	163	81	23	52.3	74	2.19	18.2	8.34
CCEX 5	2361	3877	164	82	23	51.1	68	2.00	15.8	7.91
NC 95	2333	3436	148	75	22	53.5	67	2.69	17.7	6.59
NC 2326	1760	2738	156	78	19	43.5	62	2.71	17.4	6.42
LSD -0.05	267.2	627.0	16.0	7.2						

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.
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.


Georgia Mountain Research & Education Center, Blairsville
Northwest Research & Education Center, Calhoun
UGA Athens Campus
J. Phil Campbell Sr. Research & Education Center, Watkinsville
Central Research & Education Center, Eatonton
UGA Griffin Campus
Southeast Research & Education Center, Midville
Southwest Research & Education Center, Plains
Vidalia Onion & Vegetable Research Center, Reidsville
UGA Tifton Campus
Blueberry Research & Demonstration Farm, Alma
C.M. Stripling Irrigation Research Park, Camilla
Attapulgus Research & Education Center, Attapulgas
CAES Campus
Research Center

University of Georgia
Agricultural Experiment Stations
Athens, Georgia 30602
Robert Shulstad, Associate Dean

Publication
Penalty for Private Use $300

ADDRESS CORRECTION REQUESTED

"CERTIFIED SEED DOESN'T COST ... IT PAYS"

HERE'S WHY:

- Known performance of varieties adapted to your area.
- A pedigree record that begins with the release of breeder seed and continues until it reaches the consumer as certified (blue tag) seed.
- Field inspected for trueness to variety and inseparable from other crop and weed seed.
- Certified seed can only be conditioned in an approved facility.
- Certified seed must meet high quality standards as to germination and purity.
- Free of noxious weeds.

The planting of CERTIFIED SEED eliminates many of the risks associated with crop production. For sources of certified seed, contact your local county Extension agent or the Georgia Crop Improvement Association, Inc. (706-542-2351)