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Department of Crop and Soil Sciences
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GEORGIA
2016 Peanut, Cotton, and Tobacco Performance Tests

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

Conversion Table

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

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

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PREFACE

This research report presents the results of the 2016 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 on the inside of back cover.

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 2016, 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 2017 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 2016 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2016 Corn Performance Tests (Annual Publication 101-8), 2015-2016 Small Grains Performance Tests (Annual Publication 100-8), 2016 Soybean, Sorghum Grain and Silage, and Summer Annual Forage Performance Tests (Annual Publication 103-8), 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

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CONTENTS

TOBACCO

Tifton, Georgia:

2016 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

As in previous years, Georgia's agronomic producers faced variable weather conditions for planting across the state. For much of the state, adequate moisture for spring planting cotton and peanuts was not a concern. Irrigation demands increased as the growing season progressed for many here in the state. For the first time in three years, soil temperatures did not delay spring plantings. Dry weather during the fall allowed for cotton picking to proceed without delay, while peanuts required added moisture for digging in some areas.

Rainfall amounts recorded monthly at the five test locations in Georgia during the 2016 growing season are presented in the following table. Midville and Tifton were the only two locations statewide to receive above normal or near normal rainfall, respectively.

2016 Rainfall[1]

Month	Athens[2]	Attapulgus[3]	Midville	Plains	Tifton
	----------	----------	inches	----------	----------
March	0.84	4.33	2.83	2.39	5.26
April	1.55	2.38	3.95	4.57	6.34
May	0.82	1.79	4.22	0.84	1.45
June	5.92	4.16	3.94	4.02	3.94
July	2.20	2.06	6.20	1.59	3.38
August	1.70	6.86	3.88	4.66	6.31
September	1.30	0.42	4.88	2.20	6.16
October	0.00	0.00	2.50	0.00	0.06
November	2.16	0.42	0.42	0.95	0.69
Total	16.49	22.42	32.82	21.22	33.59
Normal (9 mo)*	NA	44.11	30.11	39.96	33.83

1. Data provided in part by Dr. I. Flitcroft, UGA Griffin Campus, Griffin, GA.
2. Iron Horse Plant Sciences Farm; long term data is not available for this site.
3. Attapulgus Research Center is the nearest location to the Bainbridge site.

* Based on average March to November (9 months) 1981-2001.

Crop maturity progressed above the five-year average, and harvest conditions were not slowed in 2016 due to wet weather for the first time in years. Peanut producers planted 720,000 acres, an 8% decrease from 2015. Cotton producers seeded 1.18 million acres in Georgia, a 4% increase over last year. Tobacco producers in the state transplanted between 13,000 and 15,000 acres in 2016.

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 2016 was 3,940 pounds per acre. This is a 12% reduction in yield from 2015. Georgia peanut producers brought to the market more than 2.793 billion pounds of peanuts this year, a decrease of 17% from 2015. Cotton yielded 903 pounds per acre this year, a 6% decrease from last year, and a total production of 2.2 million bales, 2% less than the previous year. Georgia tobacco production on a per-acre basis was 2,100 pounds, a 300 pound decrease from 2015. Total production was 28.35 million pounds, 4.05 million pounds less than last year.

PEANUT

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Spanish Types							
GA 082549[1]	10/01	**4330**	74.5	3.0	0.0	.	954
GA 122707[1]	10/01	**4257**	74.0	3.0	0.0	.	919
Georgia Browne	09/24	**4045**	70.0	5.0	0.0	.	1231
Georgia-04S	09/24	3822	71.5	4.0	0.0	.	1284
Tamnut OL06	08/23	2424	56.5	6.5	0.5	.	1118
Tamspan 90	08/23	2231	62.0	5.5	0.0	.	1229
Ole'	08/23	2101	58.0	6.5	0.5	.	1146
Shubert	08/23	1962	58.5	7.0	0.5	.	1287
OLin	08/23	1823	60.0	6.5	0.0	.	1406
Pronto	08/23	1640	60.5	10.5	0.0	.	1302
Spanco	08/23	1529	61.0	9.0	0.5	.	1297
Average	09/05	2742	64.2	6.0	0.2	.	1197
LSD at 10% Level		319	3.8	2.9	-	.	78
CV %		13.5	3.5	25.4	-	.	3.9
Valencia Types							
Georgia Valencia	08/23	**3011**	57.0	4.5	0.5	.	828
GA 142537[1]	08/23	**2891**	61.5	5.0	0.5	.	891
NuMex-01	08/23	2244	56.5	9.5	1.0	.	1180
Georgia Red	08/23	1956	60.5	7.5	0.5	.	1123
N.M. Valencia A	08/23	1779	54.0	9.5	0.5	.	1309
Valencia McRan	08/23	1687	55.0	8.0	0.5	.	1165
H & W Valencia 136	08/23	1599	56.0	7.5	0.5	.	1150
N.M. Valencia C	08/23	1593	56.0	8.0	0.5	.	1179
Average	08/23	2095	57.1	7.4	0.6	.	1103
LSD at 10% Level		319	3.8	2.9	-	.	78
CV %		13.5	3.5	25.4	-	.	3.9

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 13, 2016.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb/a K_2O.
Soil Test:	P = Very High, K = High, and pH = 6.7.
Soil Type:	Tifton sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed, and rototilled; Sonalan (incorporated), Select Max, and Cobra used for weed control; Orthene used for insect control; Chlorothanil, Bravo, Fontelis, and Folicur used for disease control.

	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	1.00	3.00	1.50	0
Rainfall (in):	1.11	3.94	3.38	6.31	6.17

Test conducted by R. Brooke, D. Dunn, and G. South.

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
GA 122540[1]	10/01	**5400**	75.5	2.5	0.0	.	776
TUFRunner™ '511'	10/01	**5351**	71.0	3.0	0.0	.	721
GA 132713[1]	09/24	**5244**	70.5	5.5	0.0	.	881
GA 112557[1]	10/01	**5204**	74.0	3.0	0.0	.	760
Georgia-16HO	10/01	**5167**	72.5	2.5	0.0	.	672
TUFRunner™ '297'	09/24	**5108**	72.0	3.5	0.0	.	648
Florida-07	10/01	**5068**	69.0	4.0	0.0	.	695
Georgia-07W	10/01	4994	74.0	2.5	0.0	.	722
TUFRunner™ '727'	10/01	4958	71.0	3.5	0.0	.	750
Tifguard	09/24	4898	72.0	3.5	0.0	.	694
Georgia-12Y	10/11	4799	70.5	2.5	0.0	.	762
Georgia-13M	10/01	4755	71.0	5.0	0.0	.	931
FloRun™ '107'	09/24	4689	68.5	4.5	0.0	.	798
Georgia-06G	09/24	4651	72.5	2.5	0.0	.	714
GA 122706[1]	10/01	4562	73.0	3.0	0.0	.	787
GA 133106[1]	10/11	4416	70.5	7.0	0.0	.	716
Georgia-14N	10/01	4343	72.0	3.0	0.0	.	852
Georgia-09B	09/24	4200	73.5	2.5	0.0	.	836
TifNV-HighO/L	09/24	4045	71.0	3.5	0.0	.	707
Georgia Greener	09/24	3995	73.5	3.5	0.0	.	808
GA 122544[1]	10/01	3942	73.0	3.5	0.0	.	738
GA 133108[1]	09/24	3810	69.5	4.5	0.0	.	860
FLoRun™ '157'	09/24	3751	70.5	5.0	0.0	.	877
Average	09/29	4667	71.8	3.6	0.0	.	770
LSD at 10% Level		367	2.2	1.1	-	.	68
CV %		8.5	1.8	20.0	-	.	5.4
Virginia Types							
Georgia-11J	10/11	**5244**	70.0	2.0	0.5	56.5	476
GA 132724[1]	09/24	4230	73.5	2.5	0.0	.	624
Wynne	09/13	3969	70.5	1.5	0.5	51.0	505
Sugg	09/13	3918	72.0	2.5	0.0	52.0	529
Bailey	09/13	3621	70.0	2.5	0.0	41.5	557
CHAMPS	09/13	3207	69.0	3.0	0.0	54.5	549
Sullivan	09/13	3070	70.0	2.5	0.0	45.5	571
Average	09/19	3894	70.7	2.4	0.1	43.0	544
LSD at 10% Level		367	2.2	1.1	-	6.1	68
CV %		8.5	1.8	20.0	-	35.8	5.4

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 13, 2016.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb/a K_2O.
Soil Test:	P = Very High, K = High, and pH = 6.7.
Soil Type:	Tifton sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed, and rototilled; Sonalan (incorporated), Select Max, and Cobra used for weed control; Orthene used for insect control; Chlorothanil, Bravo, Fontelis, and Folicur used for disease control.

	May	June	July	Aug.	Sept.
Irrigation (in):	0.50	1.00	3.00	1.50	0
Rainfall (in):	1.11	3.94	3.38	6.31	6.17

Test conducted by R. Brooke, D. Dunn, and G. South.

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-06G	10/01	**6440**	73.0	3.0	0.0	.	669
TUFRunner™ '297'	10/01	**6434**	69.5	4.0	0.5	.	722
Georgia Greener	10/01	**6334**	73.5	3.0	0.0	.	685
Georgia-16HO	10/11	**6271**	73.0	2.0	0.5	.	673
Georgia-07W	10/11	**6246**	72.0	3.0	0.5	.	698
Georgia-13M	10/11	**6209**	73.0	3.0	0.5	.	845
Florida-07	10/11	**6160**	70.0	3.0	0.0	.	663
GA 122706[1]	10/11	**6086**	74.0	3.0	1.0	.	721
Georgia-12Y	10/11	**5999**	67.5	4.0	1.5	.	742
GA 122540[1]	10/11	**5999**	74.0	4.0	0.5	.	732
GA 112557[1]	10/11	**5962**	73.5	4.0	0.0	.	772
TUFRunner™ '511'	10/11	5900	71.5	3.0	0.5	.	624
Tifguard	10/01	5878	70.0	3.5	0.0	.	697
TUFRunner™ '727'	10/11	5838	70.5	4.0	0.5	.	711
GA 132713[1]	10/01	5831	71.0	4.5	1.0	.	752
GA 133106[1]	10/11	5764	74.0	3.0	0.5	.	683
GA 122544[1]	10/11	5677	73.0	3.0	0.5	.	671
FloRun™ '107'	10/01	5363	69.5	3.5	0.5	.	762
GA 133108[1]	10/01	5314	70.0	4.0	1.0	.	804
FLoRun™ '157'	10/01	5290	70.5	4.0	1.0	.	736
TifNV-HighO/L	10/01	5287	72.0	3.0	0.5	.	660
Georgia-09B	10/01	5105	72.5	3.0	0.0	.	763
Georgia-14N	10/11	5059	72.5	4.0	0.5	.	851
Average	10/07	5845	71.7	3.4	0.5	.	723
LSD at 10% Level		510	3.6	N.S.[2]	-	.	94
CV %		9.4	2.5	29.9	-	.	8.0
Virginia Types							
GA 132724[1]	10/01	**6071**	70.5	3.0	1.0	47.0	621
Georgia-11J	10/11	**5702**	66.0	2.5	1.5	43.5	567
Sullivan	09/24	5535	64.5	3.0	1.0	35.0	624
Bailey	09/24	4809	65.5	2.5	1.0	34.5	559
Wynne	09/24	4750	64.0	2.5	1.0	38.5	511
Sugg	09/24	4577	66.5	2.5	1.0	41.5	537
CHAMPS	09/24	4527	66.0	3.0	1.0	36.5	555
Average	09/27	5139	66.1	2.7	1.1	39.5	568
LSD at 10% Level		510	3.6	N.S.	-	3.7	94
CV %		9.4	2.5	29.9	-	23.5	8.0

Tifton, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 12, 2016.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, and 1000 lb/a gypsum.
Soil Test:	P = Very High, K = High, and pH = 6.7.
Soil Type:	Tifton sandy loam.
Previous Crop:	Corn.
Management:	Disked, moldboard plowed, and rototilled; Sonalan (incorporated), Select Max, and Cobra used for weed control; Chlorothanil, Bravo, Fontelis, and Folicur used for disease control.

	May	June	July	Aug.	Sept.
Rainfall (in):	1.11	3.94	3.38	6.31	6.17

Test conducted by R. Brooke, D. Dunn, and G. South.

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-13M	10/12	**5269**	74.0	3.0	0.5	.	817
TUFRunner™ '297'	10/04	**4883**	70.0	3.5	3.0	.	613
GA 122706[1]	10/12	4668	75.0	2.5	1.5	.	734
Georgia-09B	10/04	4638	67.5	5.0	2.5	.	767
Georgia-06G	10/04	4629	69.0	4.0	2.0	.	612
FloRun™ '107'	10/04	4535	67.5	5.0	1.5	.	734
TUFRunner™ '727'	10/12	4423	73.5	2.5	1.0	.	684
Georgia-14N	10/12	4354	70.0	3.5	2.5	.	882
GA 132713[1]	10/04	4327	70.5	5.0	1.0	.	834
TifNV-HighO/L	10/04	4221	68.5	3.5	1.5	.	675
Georgia Greener	10/04	4206	70.5	5.5	2.0	.	683
Georgia-07W	10/12	4190	65.5	5.0	3.0	.	736
TUFRunner™ '511'	10/12	4131	69.5	3.0	2.0	.	608
GA 112557[1]	10/12	4119	73.0	3.0	2.5	.	700
Florida-07	10/12	4111	66.5	5.5	1.5	.	653
Georgia-12Y	10/12	4020	70.0	3.5	1.0	.	704
Tifguard	10/04	3950	66.5	5.5	1.5	.	645
FLoRun™ '157'	10/04	3905	69.5	4.5	2.0	.	804
Georgia-16HO	10/12	3872	68.0	4.5	2.5	.	628
GA 133108[1]	10/04	3845	68.5	4.0	1.0	.	787
GA 122540[1]	10/12	3844	77.0	3.0	0.0	.	626
GA 133106[1]	10/12	3711	71.5	4.5	1.0	.	703
GA 122544[1]	10/12	3352	69.5	2.5	2.5	.	654
Average	10/09	4226	70.0	4.0	1.7	.	708
LSD at 10% Level		538	5.0	1.6	1.3	.	67
CV %		13.6	4.2	26.1	42.6	.	5.9
Virginia Types							
GA 132724[1]	10/04	**4889**	69.0	3.0	2.5	47.5	606
Georgia-11J	10/12	4082	65.5	2.5	1.5	46.5	479
Bailey	09/25	3854	63.5	3.0	2.0	34.0	528
Wynne	09/25	3768	60.5	4.0	2.5	38.0	489
Sullivan	09/25	3413	62.5	3.0	1.0	27.5	604
Sugg	09/25	3365	63.5	2.5	2.0	38.5	516
CHAMPS	09/25	3254	66.0	2.0	2.0	41.5	477
Average	09/29	3804	64.4	2.9	1.9	39.1	528
LSD at 10% Level		538	5.0	1.6	1.3	8.2	67
CV %		13.6	4.2	26.1	42.6	-	5.9

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 16, 2016.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	18 lb N, 46 lb P_2O_5, 60 lb K_2O, and 1000 lb/a lime.
Soil Test:	P = High, K = Very High, and pH = 6.0.
Soil Type:	Faceville sandy loam.
Previous Crop:	Corn.
Management:	Disked, subsoiled, and rototilled; Sonalan, Strong Arm, Valor, and Basagran used for weed control; Headline, Convoy, Bravo, and Provost used for disease control.
Irrigation:	Irrigated 9.5 inches.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	.090	2.20

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

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
TUFRunner™ '297'	10/12	**3765**	75.5	2.0	1.0	.	586
Georgia-13M	10/12	**3760**	75.0	2.5	1.0	.	914
Georgia-09B	10/12	**3467**	73.5	3.0	0.5	.	752
GA 112557[1]	10/12	**3463**	77.5	2.0	1.0	.	742
FloRun™ '107'	10/12	**3439**	71.5	3.5	1.0	.	742
Georgia-14N	10/12	**3414**	74.5	2.0	2.0	.	821
Georgia-12Y	10/12	**3413**	72.5	2.5	0.5	.	774
Georgia-06G	10/12	**3389**	76.5	1.0	0.0	.	642
GA 132713[1]	10/12	**3384**	75.0	3.0	0.5	.	773
Georgia-16HO	10/12	**3377**	73.0	3.0	1.0	.	658
TUFRunner™ '727'	10/12	3352	72.5	3.0	1.0	.	689
FLoRun™ '157'	10/12	3352	74.5	3.0	1.0	.	769
Georgia-07W	10/12	3327	73.0	2.5	1.5	.	651
Tifguard	10/12	3325	74.5	2.0	1.0	.	650
GA 122544[1]	10/12	3320	74.0	2.5	0.5	.	712
Georgia Greener	10/12	3278	74.5	2.0	1.5	.	733
TUFRunner™ '511'	10/12	3220	75.0	2.0	1.0	.	651
Florida-07	10/12	3203	70.0	3.5	1.0	.	658
TifNV-HighO/L	10/12	3117	72.0	2.0	1.0	.	658
GA 122706[1]	10/12	3013	76.0	1.5	1.0	.	737
GA 133108[1]	10/12	2981	73.5	2.5	1.0	.	801
GA 122540[1]	10/12	2894	75.5	3.0	0.5	.	715
GA 133106[1]	10/12	2834	74.5	2.5	1.0	.	690
Average	10/12	3308	74.1	2.5	0.9	.	718
LSD at 10% Level		410	2.7	1.7	-	.	43
CV %		12.8	2.2	39.4	-	.	3.8
Virginia Types							
Georgia-11J	10/12	**3868**	70.5	1.5	2.0	46.0	496
Wynne	10/05	**3842**	71.0	2.0	0.5	43.0	477
GA 132724	10/12	**3617**	74.0	1.0	1.5	52.0	611
Bailey	10/05	**3576**	66.0	4.5	1.5	39.0	534
Sugg	10/05	3248	69.0	2.5	2.0	45.0	516
Sullivan	10/05	3084	64.0	5.0	1.0	39.5	547
CHAMPS	10/05	3058	69.0	2.5	2.0	48.5	507
Average	10/07	3471	69.1	2.7	1.5	44.7	527
LSD at 10% Level		410	2.7	1.7	-	7.8	43
CV %		12.8	2.2	39.4	-	-	3.8

Plains, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 16, 2016.				
Seeding Rate:	6 seed/row foot in 36" rows.				
Fertilization:	18 lb N, 46 lb P_2O_5, 60 lb K_2O, and 1000 lb/a lime.				
Soil Test:	P = High, K = Very High, and pH = 6.2.				
Soil Type:	Faceville sandy loam.				
Previous Crop:	Corn.				
Management:	Disked, subsoiled, and rototilled; Sonalan, Strong Arm, Valor, and Basagran used for weed control; Headline, Convoy, Bravo, and Provost used for disease control.				
	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	.090	2.20

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

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Irrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
TUFRunner™ '297'	09/29	**6532**	70.5	4.5	0.0	.	633
Georgia-09B	09/29	**6437**	72.5	3.5	0.0	.	730
Georgia-06G	09/29	**6336**	71.0	4.5	0.0	.	647
TUFRunner™ '511'	10/07	**6258**	71.0	4.5	0.0	.	667
GA 122540[1]	10/07	**6229**	76.0	3.0	0.5	.	694
Georgia-07W	10/07	**6185**	75.0	3.0	0.0	.	668
FloRun™ '107'	09/29	6042	69.5	6.0	0.0	.	728
Georgia-16HO	10/07	5914	74.5	3.0	0.0	.	661
GA 112557[1]	10/07	5886	76.5	3.0	0.0	.	702
GA 122706[1]	10/07	5850	75.5	2.5	0.5	.	727
TUFRunner™ '727'	10/07	5817	72.5	4.5	0.0	.	668
GA 133108[1]	09/29	5800	69.5	5.5	0.0	.	823
Georgia-13M	10/07	5791	70.5	5.5	0.5	.	867
Georgia Greener	09/29	5726	72.5	4.0	0.0	.	731
Tifguard	09/29	5706	69.5	4.5	0.0	.	660
GA 132713[1]	09/29	5664	71.5	5.5	0.0	.	857
TifNV-HighO/L	09/29	5621	68.0	4.5	1.0	.	650
Florida-07	10/07	5596	70.0	4.0	0.0	.	679
GA 122544[1]	10/07	5591	73.5	4.0	0.0	.	671
Georgia-12Y	10/18	5527	73.5	2.0	0.0	.	742
Georgia-14N	10/07	5511	73.5	5.0	0.0	.	834
GA 133106[1]	10/18	5511	77.0	2.5	0.0	.	716
FLoRun™ '157'	09/29	5199	70.0	6.0	0.0	.	763
Average	10/04	5858	72.3	4.1	0.1	.	718
LSD at 10% Level		478	2.2	1.4	-	.	43
CV %		8.6	1.8	21.2	-	.	3.7
Virginia Types							
Georgia-11J	10/18	**7501**	72.5	1.0	0.0	60.0	443
GA 132724[1]	09/29	6234	73.5	2.5	0.5	56.5	523
Wynne	09/23	5770	66.5	2.5	1.0	41.0	489
Sugg	09/23	5232	69.0	2.5	0.5	49.5	502
Bailey	09/23	5137	68.5	3.0	0.0	40.5	568
CHAMPS	09/23	4966	68.5	2.5	1.0	36.0	525
Sullivan	09/23	4483	66.5	3.5	0.0	38.5	595
Average	09/27	5617	69.3	2.5	0.4	46.0	520
LSD at 10% Level		478	2.2	1.4	-	2.2	43
CV %		8.6	1.8	21.2	-	12.2	3.7

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 24, 2016.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, 1000 lb gypsum, and .5 lb/a boron.
Soil Test:	P = High, K = Very High, and pH = 6.1.
Soil Type:	Tifton loamy sand.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed, and field conditioned; Gramoxone, Dual, Storm, Butyrac, Prowl, and Select used for weed control; Convoy, Chlorothalonil, Tebucanozole, and Headline used for disease control.

	May	June	July	Aug.	Sept.
Irrigation (in):	0	3.00	4.50	3.25	1.60
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

Test conducted by R. Brooke, D. Dunn, and G. South.

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, Nonirrigated

Variety	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Florida-07	10/18	**5321**	71.0	2.0	0.5	.	688
TUFRunner™ '727'	10/18	**5259**	72.5	2.5	0.0	.	681
Georgia-16HO	10/18	**5100**	73.5	2.5	0.0	.	685
TUFRunner™ '511'	10/18	**5063**	73.0	2.0	0.0	.	631
Georgia-13M	10/18	**4894**	73.0	3.0	0.0	.	866
TUFRunner™ '297'	10/07	4874	67.5	4.5	0.5	.	601
Georgia-12Y	10/18	4829	71.0	2.0	1.0	.	719
Georgia-07W	10/18	4817	75.5	1.5	0.0	.	658
GA 122544[1]	10/18	4743	74.5	1.5	0.0	.	672
GA 122540[1]	10/18	4620	76.5	2.5	1.0	.	726
GA 112557[1]	10/18	4547	76.0	3.0	0.0	.	714
Georgia-14N	10/18	4510	77.0	2.0	0.0	.	744
GA 122706[1]	10/18	4363	73.5	3.5	0.5	.	706
GA 133106[1]	10/18	4264	76.5	2.0	0.5	.	665
TifNV-HighO/L	10/07	4201	67.5	4.0	1.0	.	681
Georgia-06G	10/07	4156	72.5	3.0	0.0	.	675
FloRun™ '107'	10/07	4004	63.5	7.5	1.0	.	753
GA 132713[1]	10/07	3964	71.5	4.0	0.0	.	808
Tifguard	10/07	3908	66.5	6.0	0.5	.	651
Georgia-09B	10/07	3817	67.5	6.0	0.5	.	792
FLoRun™ '157'	10/07	3772	69.0	5.5	0.5	.	785
Georgia Greener	10/07	3648	72.0	4.5	0.0	.	732
GA 133108[1]	10/07	3591	71.0	4.0	0.5	.	781
Average	10/13	4446	71.8	3.4	0.3	.	713
LSD at 10% Level		439	3.8	1.5	-	.	2
CV %		10.4	3.2	25.4	-	.	3.1
Virginia Types							
Georgia-11J	10/18	**5935**	67.0	2.0	1.0	49.0	529
Wynne	09/29	4498	57.0	5.5	1.5	28.0	531
GA 132724[1]	10/07	4416	70.5	2.5	0.5	42.0	648
Sullivan	09/29	4069	62.0	4.0	0.5	34.0	564
Sugg	09/29	4013	66.0	4.0	1.0	47.5	495
Bailey	09/29	3794	63.0	4.0	0.5	32.0	552
CHAMPS	09/29	3440	55.0	6.0	2.0	28.0	518
Average	10/03	4309	62.9	4.0	1.0	37.2	548
LSD at 10% Level		439	3.8	1.5	-	5.0	2
CV %		10.4	3.2	25.4	-	34.2	3.1

Midville, Georgia:
Yield and Grade Performance
Peanut Variety Trial, 2016, 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 24, 2016.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, 1000 lb gypsum, and .5 lb/a boron.
Soil Test:	P = High, K = Very High, and pH = 6.1.
Soil Type:	Tifton loamy sand.
Previous Crop:	Cotton.
Management:	Disked, moldboard plowed, and field conditioned; Gramoxone, Dual, Storm, Butyrac, and Valor used for weed control; Convoy, Chlorothalonil, Tebucanozole, and Headline used for disease control.

	May	June	July	Aug.	Sept.
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

Test conducted by R. Brooke, D. Dunn, and G. South.

COTTON

Bainbridge, Georgia:
Earier Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1522 B2XF	**1835**	44.4	83.6	1.13	30.1	5.3
PHY 444 WRF	**1794**	44.8	86.3	1.20	31.0	4.6
BRS 286	**1782**	43.0	83.0	1.07	30.1	5.1
PHY 487 WRF	**1778**	44.7	82.8	1.06	27.5	5.5
SSG UA 222	**1769**	44.6	85.2	1.15	30.5	5.2
MON 15R513B2XF	**1754**	44.4	84.9	1.15	30.3	5.4
DG CT15634 B2RF	**1752**	45.1	84.7	1.10	29.4	5.0
DG 2615 B2RF	**1746**	44.1	84.7	1.14	30.6	5.2
PHY 312 WRF	**1724**	44.4	85.1	1.13	30.7	5.3
GA 2011113	**1705**	44.5	85.1	1.11	30.3	5.3
BRS 335	1648	42.9	84.6	1.14	29.3	4.9
NG 3406 B2XF	1630	43.9	84.6	1.14	29.8	5.0
GA 2012141	1617	43.1	84.6	1.19	31.5	4.8
NG 3522 B2XF	1608	44.0	83.6	1.08	26.3	5.3
PHY 333 WRF	1594	42.9	85.0	1.14	29.3	4.8
PHY 499 WRF	1591	45.0	85.0	1.11	32.1	5.2
GA 2012050	1563	43.6	85.9	1.18	33.8	5.1
GA 2012082	1509	42.6	85.1	1.14	30.5	5.0
SSG HQ 212 CT	1482	43.8	83.5	1.07	30.4	5.6
DP 1614 B2XF	1465	43.9	84.3	1.14	32.3	5.5
DG 3526 B2XF	1408	44.3	84.9	1.12	29.8	5.4
SSG HQ 210 CT	1305	43.1	83.5	1.09	31.4	5.4
Average	1639	44.0	84.5	1.12	30.3	5.2
LSD at 10% Level	157	N.S.[1]	1.2	0.04	1.6	0.2
CV %	8.1	3.5	0.8	1.98	3.1	2.6

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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, 2016.
Harvested: October 19, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Faceville sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.0.
Fertilization: 27.5 lb N, 55 lb P_2O_5, and 46 lb K_2O/acre.
Sidedress: 127.7 lb N, 144 lb K_2O, and 22.8 lb S/acre.
Previous Crop: Peanuts.
Management: Strip-tilled and subsoiled; Prowl, Cotoran, and MSMA used for weed control; Acephate, Imidacloprid, Prevathon, and Bidrin used for insect control.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.50	0.75	4.50	2.25	0.00
Rainfall (in):	2.40	7.80	3.25	2.65	6.50

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

Midville, Georgia:
Earlier Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
GA 2011113	**1978**	43.3	83.8	1.20	34.0	3.8
DG 2615 B2RF	**1975**	40.8	84.0	1.21	32.8	3.9
PHY 444 WRF	**1970**	42.7	84.8	1.27	33.8	4.1
DG CT15634 B2RF	1746	43.0	84.2	1.16	30.9	3.7
PHY 487 WRF	1705	38.1	81.7	1.11	30.3	3.6
PHY 333 WRF	1675	39.9	81.7	1.15	31.8	3.7
NG 3522 B2XF	1671	42.1	81.7	1.11	28.6	3.6
BRS 286	1648	38.4	84.2	1.19	34.8	3.8
GA 2012141	1638	39.3	84.5	1.22	32.7	3.9
SSG HQ 210 CT	1598	40.6	82.5	1.15	31.0	3.7
DP 1614 B2XF	1576	41.4	84.0	1.21	31.5	3.9
BRS 335	1570	38.9	84.4	1.23	33.1	4.0
PHY 312 WRF	1565	38.9	83.2	1.16	31.5	3.7
SSG HQ 212 CT	1563	38.0	83.3	1.14	32.2	3.7
PHY 499 WRF	1557	37.8	84.7	1.17	33.9	3.8
GA 2012082	1556	39.8	84.1	1.23	31.8	4.0
DP 1522 B2XF	1546	37.2	83.1	1.17	33.0	3.7
NG 3406 B2XF	1544	39.2	82.2	1.13	29.9	3.7
MON 15R513B2XF	1486	38.1	83.5	1.23	33.4	4.0
DG 3526 B2XF	1478	40.5	82.4	1.11	29.8	3.6
GA 2012050	1462	37.4	83.7	1.16	32.2	3.7
SSG UA 222	1448	36.8	84.5	1.18	32.6	3.8
Average	1634	39.6	83.4	1.18	32.0	3.8
LSD at 10% Level	147	1.3	N.S.[1]	0.04	2.7	0.1
CV %	7.6	2.7	1.6	2.20	4.9	2.0

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 9, 2016.
Harvested: October 6, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 30 lb N, 30 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 65 lb N and .25 lb Boron/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Pendimethalin, Diuron, Reflex, Staple, MSMA, Envoke, and Select used for weed control; Acephate and Prevathon used for insect control; Telon II used for nematode control; Mepiquat, Def, Drop, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.35	2.00	2.00	2.75	0.00
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

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

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
BRS 286	**1942**	41.5	82.00	1.17	32.20	4.3
DG 2615 B2RF	**1877**	43.3	83.20	1.21	32.70	4.5
DG CT15634 B2RF	**1850**	44.0	83.50	1.15	29.70	4.7
DP 1522 B2XF	**1833**	41.1	83.10	1.13	30.40	4.8
PHY 444 WRF	**1822**	42.7	85.20	1.26	31.60	3.7
NG 3406 B2XF	**1821**	40.7	81.60	1.10	29.10	4.2
PHY 487 WRF	**1818**	41.7	82.30	1.11	29.40	4.6
GA 2011113	**1802**	42.7	83.30	1.17	33.80	4.5
BRS 335	1787	40.2	83.40	1.19	31.80	4.3
PHY 312 WRF	1730	41.3	83.80	1.15	30.00	4.3
PHY 333 WRF	1727	41.7	83.00	1.15	30.20	4.4
GA 2012082	1710	42.2	83.90	1.17	32.30	4.4
DG 3526 B2XF	1694	43.4	82.50	1.11	28.00	4.4
GA 2012141	1693	41.8	83.80	1.21	32.20	4.4
PHY 499 WRF	1663	41.6	83.60	1.11	31.90	4.6
NG 3522 B2XF	1615	40.2	81.30	1.08	28.00	4.4
SSG UA 222	1613	39.9	83.80	1.16	29.80	4.5
MON 15R513B2XF	1601	40.0	83.70	1.17	29.70	4.7
DP 1614 B2XF	1577	44.2	84.10	1.16	29.60	4.9
SSG HQ 210 CT	1411	38.1	83.00	1.10	30.00	4.4
GA 2012050	1400	39.5	84.50	1.16	32.80	4.1
SSG HQ 212 CT	1379	37.7	82.10	1.08	30.20	4.4
Average	1698	41.3	83.2	1.15	30.7	4.4
LSD at 10% Level	145	0.7	1.3	0.03	1.2	0.4
CV %	7.2	1.5	0.9	1.54	2.4	4.8

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 4, 2016.
Harvested: October 17, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Faceville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: 18 lb N, 16 lb P_2O_5, 60 lb K_2O, and 1000 lb lime/acre. Sidedress: 80 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, rototilled, and cultivated; Prowl, Reflex, Diuron, MSMA, and Staple used for weed control; Bidrin and Bifenthrin used for insect control; Mepiquat Chloride used for PGR.
Irrigation: 10.93 inches.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	0.90	2.20

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

Tifton, Georgia:
Earlier Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DG 2615 B2RF	**1575**	40.1	82.8	1.15	30.8	4.6
NG 3522 B2XF	**1421**	39.9	82.6	1.11	28.6	4.6
DP 1522 B2XF	1319	38.4	83.8	1.15	31.9	4.6
NG 3406 B2XF	1307	38.8	83.7	1.12	28.7	4.6
DG 3526 B2XF	1298	41.6	83.1	1.12	27.8	4.5
MON 15R513B2XF	1291	39.8	84.3	1.18	30.3	4.9
PHY 312 WRF	1280	39.3	82.6	1.17	32.0	4.4
BRS 286	1270	37.5	82.3	1.14	32.5	4.3
PHY 333 WRF	1244	38.7	82.9	1.15	31.3	4.5
PHY 487 WRF	1231	38.0	82.1	1.09	29.0	4.6
PHY 499 WRF	1220	39.5	84.0	1.13	32.1	4.8
SSG UA 222	1201	36.6	83.8	1.16	31.2	4.6
SSG HQ 212 CT	1197	36.5	82.3	1.12	31.6	4.8
DP 1614 B2XF	1197	39.7	84.1	1.14	29.9	4.9
PHY 444 WRF	1182	38.7	83.0	1.13	29.6	4.4
GA 2012050	1165	37.0	82.7	1.14	30.6	4.4
GA 2012082	1153	37.4	82.4	1.15	30.5	4.3
BRS 335	1127	38.8	83.4	1.16	32.6	4.6
DG CT15634 B2RF	1119	42.3	84.0	1.15	30.0	4.6
SSG HQ 210 CT	1089	37.2	82.4	1.1	29.5	4.9
GA 2011113	1082	38.7	83.6	1.19	33.6	4.3
GA 2012141	964	40.3	82.8	1.22	35.3	4.1
Average	1224	38.9	83.1	1.14	30.9	4.6
LSD at 10% Level	185	1.0	N.S.[1]	0.04	1.9	0.3
CV %	12.8	2.3	1.2	1.99	3.7	3.8

* Percent lint fractions were determined from plot seed cotton ginned in the Micro-Gin located on the UGA Tifton Campus. A lint sample was sent to the USDA classing office in Macon, 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, 2016.
Harvested: September 27, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.5.
Fertilization: 25 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 75 lb N and 30 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Reflex, Cotoran, Warrant, Dual Magnum, and Select Max used for weed control; Besiege and Knack used for insect control; Prep, Folex, and Dropp used for defoliation.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.75	2.00	5.00	2.50	0.50
Rainfall (in):	2.20	5.09	2.19	4.86	6.58

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

Yield Summary of Earlier Maturity Cotton Varieties, 2016, Irrigated

Variety	Lint Yield[a] Bainbridge	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
DG 2615 B2RF	**1746** 8	**1975** 2	**1877** 2	**1575** 1	**1793** 1	42.1	83.6	1.18	31.7	4.5
PHY 444 WRF	**1794** 2	**1970** 3	**1822** 5	1182 14	**1692** 2	42.2	84.8	1.21	31.5	4.2
BRS 286	**1782** 3	1648 8	**1942** 1	1270 8	**1661** 3	40.1	82.9	1.14	32.4	4.3
GA 2011113	1705 10	**1978** 1	**1802** 8	1082 20	1642 4	42.3	83.9	1.17	32.9	4.5
DP 1522 B2XF	**1835** 1	1546 17	**1833** 4	1319 3	1633 5T	40.3	83.4	1.14	31.3	4.6
PHY 487 WRF	**1778** 4	1705 5	**1818** 7	1231 10	1633 5T	40.6	82.2	1.09	29.0	4.6
DG CT15634 B2RF	**1752** 7	1746 4	**1850** 3	1119 18	1617 6	43.6	84.1	1.14	30.0	4.5
NG 3522 B2XF	1608 14	1671 7	1615 16	**1421** 2	1579 7	41.5	82.3	1.09	27.9	4.5
NG 3406 B2XF	1630 12	1544 18	**1821** 6	1307 4	1576 8	40.7	83.0	1.12	29.3	4.4
PHY 312 WRF	**1724** 9	1565 13	1730 10	1280 7	1575 9	41.0	83.7	1.15	31.0	4.4
PHY 333 WRF	1594 15	1675 6	1727 11	1244 9	1560 10	40.8	83.1	1.14	30.6	4.3
MON 15R513B2XF	**1754** 6	1486 19	1601 18	1291 6	1533 11T	40.6	84.1	1.19	30.9	4.7
BRS 335	1648 11	1570 12	1787 9	1127 17	1533 11T	40.2	84.0	1.18	31.7	4.4
PHY 499 WRF	1591 16	1557 15	1663 15	1220 11	1508 12T	41.0	84.3	1.13	32.5	4.6
SSG UA 222	**1769** 5	1448 22	1613 17	1201 12	1508 12T	39.5	84.3	1.16	31.0	4.5
GA 2012082	1509 18	1556 16	1710 12	1153 16	1482 13	40.5	83.8	1.17	31.3	4.4
GA 2012141	1617 13	1638 9	1693 14	964 21	1478 14	41.1	83.9	1.21	32.9	4.3
DG 3526 B2XF	1408 21	1478 20	1694 13	1298 5	1469 15	42.4	83.2	1.11	28.8	4.4
DP 1614 B2XF	1465 50	1576 11	1577 19	1197 13T	1454 16	42.3	84.1	1.16	30.8	4.8
SSG HQ 212 CT	1482 19	1563 14	1379 22	1197 13T	1405 17	39.0	82.8	1.10	31.1	4.6
GA 2012050	1563 17	1462 21	1400 21	1165 15	1397 18	39.4	84.2	1.16	32.3	4.3
SSG HQ 210 CT	1305 22	1598 10	1411 20	1089 19	1351 19	39.7	82.8	1.11	30.5	4.6
Average	1639	1634	1698	1224	1549	40.9	83.6	1.15	31.0	4.5
LSD at 10% Level	157	147	145	185	137	1.4	0.8	0.03	1.2	0.2
CV %	8.1	7.6	7.2	12.8	8.8	2.6	1.2	1.90	3.6	3.5

[a] Superscript numbers 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[1], 2015-2016, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
DG 2615 B2RF	**1712**	43.1	83.6	1.18	32.2	4.7
PHY 444 WRF	**1695**	43.9	84.8	1.24	31.9	4.1
DP 1522 B2XF	**1685**	41.8	83.8	1.16	31.4	4.7
PHY 487 WRF	**1671**	42.0	82.3	1.10	29.3	4.7
PHY 333 WRF	1637	42.5	83.6	1.17	31.3	4.3
PHY 312 WRF	1618	42.4	84.2	1.17	31.9	4.4
MON 15R513B2XF	1564	42.0	84.2	1.19	31.1	4.8
NG 3406 B2XF	1545	41.8	83.4	1.14	29.7	4.5
BRS 335	1537	40.9	83.7	1.18	32.3	4.4
PHY 499 WRF	1530	42.7	84.3	1.14	32.9	4.6
SSG UA 222	1521	40.5	84.1	1.19	31.4	4.5
DP 1614 B2XF	1479	43.9	84.3	1.19	31.2	4.8
SSG HQ 212 CT	1390	40.2	83.0	1.12	31.6	4.7
SSG HQ 210 CT	1382	40.0	82.8	1.12	31.2	4.7
Average	1569	42	83.7	1.16	31.4	4.6
LSD at 10% Level	60	0.3	0.5	0.01	0.6	0.1
CV %	9.3	2.0	1.0	1.70	3.3	3.8

1. Bainbridge, Midville, Plains, and Tifton.
Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Bainbridge, Georgia:
Later Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
CG 3787 B2RF	**1999**	44.8	85.6	1.13	28.8	5.3
ST 6182GLT	**1985**	48.1	85.1	1.13	29.1	5.2
DP 1646 B2XF	**1977**	46.5	85.4	1.21	29.1	4.9
BX 1739GLT	**1948**	46.2	84.0	1.20	32.7	5.2
PHY 444 WRF	**1928**	45.6	86.2	1.23	32.5	4.5
PHY 496 W3RF	**1917**	46.0	84.1	1.09	32.2	5.1
PHY 487 WRF	**1915**	44.7	83.6	1.06	28.4	5.5
DP 1555 B2RF	**1915**	47.3	84.7	1.15	33.0	5.2
DP 1538 B2XF	**1882**	45.7	84.2	1.11	28.3	5.1
DP 1725 B2XF	**1877**	46.9	84.7	1.14	31.1	5.2
DP 1558NR B2RF	**1848**	46.5	84.5	1.13	33.1	5.5
NG 5007 B2XF	1830	44.5	84.2	1.14	26.4	4.9
PHY 499 WRF	1821	45.2	86.1	1.13	31.7	5.3
PHY 333 WRF	1760	43.9	85.2	1.15	30.8	4.8
Croplan 3885 B2XF	1758	45.4	84.9	1.13	29.9	5.1
DP 1639 B2XF	1747	46.7	86.4	1.12	31.1	5.5
GA 2010019	1733	43.0	84.1	1.15	30.6	5.0
DG 3757 B2XF	1718	46.2	84.1	1.12	28.9	5.2
ST 5115GLT	1717	43.1	84.3	1.14	29.7	4.7
DP 1553 B2XF	1716	45.5	85.2	1.14	29.4	5.2
BRS 293	1712	44.2	84.2	1.10	31.2	5.5
GA 2009037	1587	41.7	83.9	1.16	30.7	5.1
ST 4848GLT	1540	44.9	84.6	1.14	29.1	5.2
ST 6448GLB2	1420	43.4	84.0	1.16	29.3	5.1
ST 4949GLT	1360	47.3	84.5	1.12	28.9	5.3
GA 230	1317	41.8	85.2	1.19	31.3	4.9
Average	1766	45.2	84.7	1.14	30.3	5.1
LSD at 10% Level	166	0.6	1.4	0.03	1.7	0.2
CV %	8.1	1.1	1.0	1.78	3.3	2.1

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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, 2016.
Harvested: October 19, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Faceville sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.0.
Fertilization: 27.5 lb N, 55 lb P_2O_5, and 46 lb K_2O/acre.
Sidedress: 127.7 lb N, 144 lb K_2O, and 22.8 lb S/acre.
Previous Crop: Peanuts.
Management: Strip-tilled and subsoiled; Prowl, Cotoran, and MSMA used for weed control; Acephate, Imidacloprid, Prevathon, and Bidrin used for insect control.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.50	0.75	4.50	2.25	0.00
Rainfall (in):	2.40	7.80	3.25	2.65	6.50

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

Midville, Georgia:
Later Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1555 B2RF	**1933**	44.5	82.1	1.14	32.4	3.7
ST 6448GLB2	**1903**	42.3	82.0	1.15	29.2	3.7
PHY 487 WRF	**1789**	41.4	81.9	1.11	30.5	3.6
DP 1646 B2XF	**1768**	42.2	83.5	1.26	30.0	4.1
PHY 444 WRF	**1751**	41.0	82.6	1.27	31.7	4.1
BX 1739GLT	1746	43.4	83.6	1.25	36.1	4.0
ST 5115GLT	1708	40.5	83.2	1.17	32.1	3.8
NG 5007 B2XF	1681	41.6	84.1	1.19	31.4	3.8
DP 1725 B2XF	1675	43.4	83.3	1.16	32.4	3.7
PHY 333 WRF	1667	40.5	81.9	1.17	32.6	3.8
Croplan 3885 B2XF	1657	41.6	82.6	1.12	30.2	3.6
GA 230	1656	40.6	82.4	1.26	30.9	4.0
DP 1639 B2XF	1577	41.3	83.1	1.12	31.3	3.6
CG 3787 B2RF	1572	42.8	83.4	1.15	29.6	3.7
GA 2009037	1565	40.1	82.4	1.19	31.5	3.8
DP 1538 B2XF	1564	43.4	83.1	1.10	28.2	3.5
GA 2010019	1564	41.3	82.4	1.16	31.6	3.7
PHY 499 WRF	1559	40.5	84.2	1.11	32.2	3.6
ST 6182GLT	1546	44.0	83.0	1.14	30.5	3.7
BRS 293	1515	38.6	83.7	1.18	34.9	3.8
PHY 496 W3RF	1508	42.8	83.6	1.13	33.7	3.6
DP 1558NR B2RF	1458	44.4	82.5	1.15	30.8	3.7
ST 4949GLT	1444	42.9	83.4	1.13	29.9	3.6
DG 3757 B2XF	1422	42.9	82.0	1.12	30.4	3.6
ST 4848GLT	1421	41.0	82.5	1.12	29.5	3.6
DP 1553 B2XF	1171	40.8	84.0	1.15	29.9	3.7
Average	1608	41.9	82.9	1.16	31.3	3.7
LSD at 10% Level	184	1.8	1.1	0.03	2.0	0.1
CV %	9.8	3.6	0.8	1.64	3.7	1.7

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 9, 2016.
Harvested: October 6, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 30 lb N, 30 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 65 lb N and .25 lb Boron/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Pendimethalin, Diuron, Reflex, Staple, MSMA, Envoke, and Select used for weed control; Acephate and Prevathon used for insect control; Telon II used for nematode control; Mepiquat, Def, Drop, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.35	2.00	2.00	2.75	0.00
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

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

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 487 WRF	**1955**	40.7	82.6	1.09	29.7	4.6
ST 6182GLT	**1937**	46.7	83.5	1.14	28.9	4.4
BX 1739GLT	**1928**	44.5	82.2	1.21	33.6	4.4
GA 230	**1844**	40.4	83.4	1.19	31.7	4.3
PHY 496 W3RF	**1842**	44.0	84.5	1.13	31.4	4.7
DP 1646 B2XF	**1827**	44.1	83.0	1.22	31.3	4.3
CG 3787 B2RF	**1816**	41.7	83.3	1.13	28.4	4.4
NG 5007 B2XF	**1806**	43.3	82.1	1.13	27.9	4.4
ST 5115GLT	**1805**	41.0	82.9	1.16	31.6	4.2
GA 2010019	**1801**	42.1	83.3	1.16	31.7	4.2
Croplan 3885 B2XF	1766	42.1	82.9	1.11	28.1	4.2
PHY 333 WRF	1752	42.6	81.8	1.15	31.0	4.2
ST 6448GLB2	1734	39.6	82.1	1.17	29.5	4.5
PHY 444 WRF	1724	43.2	83.9	1.22	31.8	3.8
DP 1538 B2XF	1655	42.2	82.8	1.09	28.6	4.5
DP 1555 B2RF	1652	43.6	83.2	1.16	30.0	4.1
DP 1725 B2XF	1649	44.9	83.3	1.14	29.6	4.5
DP 1639 B2XF	1629	42.6	83.8	1.13	30.8	4.3
PHY 499 WRF	1623	41.0	82.5	1.10	30.6	4.6
ST 4848GLT	1621	41.6	83.3	1.15	31.4	4.2
DG 3757 B2XF	1547	42.2	82.7	1.11	28.0	4.2
DP 1558NR B2RF	1539	41.0	82.6	1.16	33.5	4.4
GA 2009037	1538	41.5	83.2	1.15	31.4	4.6
BRS 293	1375	40.8	83.5	1.15	33.8	4.0
ST 4949GLT	1283	43.4	84.5	1.14	29.9	4.3
DP 1553 B2XF	1228	42.0	84.0	1.17	28.1	4.2
Average	1688	42.4	83.1	1.15	30.5	4.3
LSD at 10% Level	188	1.0	N.S.[1]	0.02	1.4	0.3
CV %	9.6	2.0	1.1	1.29	2.8	4.6

Plains, Georgia:
Later Maturity Cotton Variety Performance, 2016, Irrigated (Continued)

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 4, 2016.
Harvested: October 17, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Faceville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: 18 lb N, 16 lb P_2O_5, 60 lb K_2O, and 1000 lb lime/acre. Sidedress: 80 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, rototilled, and cultivated; Prowl, Reflex, Diuron, MSMA, and Staple used for weed control; Bidrin and Bifenthrin used for insect control; Mepiquat Chloride used for PGR.
Irrigation: 10.93 inches.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	0.90	2.20

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

Tifton, Georgia:
Later Maturity Cotton Variety Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
ST 4949GLT	**1460**	39.9	82.9	1.13	31.7	4.6
ST 5115GLT	**1418**	38.9	81.3	1.09	30.5	4.6
BX 1739GLT	**1414**	41.1	82.8	1.18	33.5	4.7
PHY 496 W3RF	**1373**	41.0	83.3	1.11	31.2	4.7
PHY 333 WRF	**1350**	39.8	82.8	1.15	30.9	4.5
Croplan 3885 B2XF	**1339**	40.2	83.3	1.13	29.1	4.6
NG 5007 B2XF	**1329**	38.6	82.4	1.13	28.0	4.6
DP 1538 B2XF	**1321**	41.2	82.6	1.10	27.9	4.6
DP 1555 B2RF	**1321**	41.7	82.0	1.13	31.0	4.4
DG 3757 B2XF	**1321**	40.3	83.2	1.12	28.8	4.5
DP 1646 B2XF	**1321**	41.6	83.4	1.21	29.6	4.5
PHY 444 WRF	**1288**	40.3	83.3	1.19	31.8	4.2
CG 3787 B2RF	**1274**	40.3	83.3	1.13	29.8	4.6
GA 230	**1270**	37.2	83.0	1.12	29.3	4.6
GA 2010019	1246	37.9	83.3	1.17	31.9	4.2
ST 4848GLT	1241	41.7	83.4	1.14	30.3	4.9
DP 1558NR B2RF	1209	40.3	83.0	1.12	29.3	4.9
GA 2009037	1199	45.8	82.7	1.14	31.1	5.0
ST 6182GLT	1186	43.8	82.5	1.15	29.5	4.7
DP 1639 B2XF	1185	40.7	83.6	1.13	31.8	4.8
PHY 499 WRF	1156	40.1	83.6	1.11	32.4	4.9
ST 6448GLB2	1138	37.5	82.7	1.19	31.2	4.6
DP 1725 B2XF	1127	43.5	82.7	1.14	31.0	4.4
PHY 487 WRF	1121	39.6	81.8	1.06	29.1	5.0
DP 1553 B2XF	1095	38.8	83.4	1.16	29.8	4.2
BRS 293	1023	37.9	83.0	1.14	33.5	4.5
Average	1259	40.4	82.9	1.14	30.5	4.6
LSD at 10% Level	205	1.6	0.9	0.03	2.0	0.2
CV %	14.1	3.3	0.7	1.63	3.9	3.0

* Percent lint fractions were determined from plot seed cotton ginned in the Micro-Gin located on the UGA Tifton Campus. A lint sample was sent to the USDA classing office in Macon, 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, 2016.
Harvested: September 27, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.5.
Fertilization: 25 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 75 lb N and 30 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Reflex, Cotoran, Warrant, Dual Magnum, and Select Max used for weed control; Besiege and Knack used for insect control; Prep, Folex, and Dropp used for defoliation.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.75	2.00	5.00	2.50	0.50
Rainfall (in):	2.20	5.09	2.19	4.86	6.58

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

Yield Summary of Later Maturity Cotton Varieties, 2016, Irrigated

Variety	Lint Yield[a] Bainbridge	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	---------- lb/acre ----------					%	%	in	g/tex	units
BX 1739GLT	**1948** 4	1746 6	**1928** 3	**1414** 3	**1759** 1	43.8	83.1	1.21	34.0	4.6
DP 1646 B2XF	**1977** 3	**1768** 4	**1827** 6	**1321** 8T	**1723** 2	43.6	83.8	1.23	30.0	4.4
DP 1555 B2RF	**1915** 7T	**1933** 1	1652 16	**1321** 8T	**1705** 3	44.3	83.0	1.15	31.6	4.3
PHY 487 WRF	**1915** 7T	**1789** 3	**1955** 1	1121 21	**1695** 4	41.6	82.5	1.08	29.4	4.7
PHY 444 WRF	**1928** 5	**1751** 5	1724 14	**1288** 9	**1673** 5	42.5	84.0	1.23	31.9	4.1
CG 3787 B2RF	**1999** 1	1572 14	**1816** 7	**1274** 10	**1665** 6	42.4	83.9	1.13	29.1	4.5
ST 6182GLT	**1985** 2	1546 18	**1937** 2	1186 16	**1663** 7	45.6	83.5	1.14	29.5	4.5
ST 5115GLT	1717 18	1708 7	**1805** 9	**1418** 2	**1662** 8	40.9	82.9	1.14	31.0	4.3
NG 5007 B2XF	1830 11	1681 8	**1806** 8	**1329** 7	**1661** 9	42.0	83.2	1.15	28.4	4.4
PHY 496 W3RF	**1917** 6	1508 20	**1842** 5	**1373** 4	**1660** 10	43.4	83.9	1.11	32.1	4.5
PHY 333 WRF	1760 13	1667 10	1752 12	**1350** 5	**1632** 11	41.7	82.9	1.15	31.3	4.3
Croplan 3885 B2XF	1758 14	1657 11	1766 11	**1339** 6	**1630** 12	42.3	83.4	1.12	29.3	4.4
DP 1538 B2XF	**1882** 8	1564 16T	1655 15	**1321** 8T	**1606** 13	43.1	83.1	1.10	28.2	4.4
GA 2010019	1733 16	1564 16T	**1801** 10	1246 12	1586 14	41.1	83.3	1.16	31.4	4.3
MON 15R535B2XF	**1877** 9	1675 9	1649 17	1127 20	1582 15	44.7	83.5	1.14	31.0	4.4
ST 6448GLB2	1420 23	**1903** 2	1734 13	1138 19	1549 16	40.7	82.7	1.16	29.8	4.5
PHY 499 WRF	1821 12	1559 17	1623 19	1156 18	1540 17	41.7	84.1	1.11	31.7	4.6
DP 1639 B2XF	1747 15	1577 13	1629 18	1185 17	1535 18	42.8	84.2	1.13	31.2	4.6
GA 230	1317 25	1656 12	**1844** 4	**1270** 11	1522 19	40.0	83.5	1.19	30.8	4.4
DP 1558NR B2RF	**1848** 10	1458 21	1539 22	1209 14	1513 20	43.1	83.1	1.14	31.6	4.6
DG 3757 B2XF	1718 17	1422 23	1547 21	**1321** 8T	1502 21	42.9	83.0	1.12	29.0	4.4
GA 2009037	1587 21	1565 15	1538 23	1199 15	1472 22	42.3	83.0	1.16	31.2	4.6
ST 4848GLT	1540 22	1421 24	1621 20	1241 13	1456 23	42.3	83.4	1.14	30.1	4.5
BRS 293	1712 20	1515 19	1375 24	1023 23	1406 24	40.4	83.6	1.14	33.3	4.5
ST 4949GLT	1360 24	1444 22	1283 25	**1460** 1	1387 25	43.4	83.8	1.13	30.1	4.4
DP 1553 B2XF	1716 19	1171 25	1228 26	1095 22	1302 26	41.8	84.1	1.15	29.3	4.3
Average	1766	1608	1688	1259	1580	42.5	83.4	1.15	30.6	4.4
LSD at 10% Level	166	184	188	205	161	1.4	0.7	0.02	1.2	0.2
CV %	8.1	9.8	9.6	14.1	10.2	2.6	0.9	1.60	3.5	3.1

[a] Superscript numbers 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[1], 2015-2016, Irrigated

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
DP 1646 B2XF	**1725**	45.0	84.1	1.24	30.1	4.4
PHY 333 WRF	1647	42.9	83.3	1.17	31.3	4.4
CG 3787 B2RF	1641	43.2	83.8	1.15	29.7	4.6
DP 1555 B2RF	1634	44.7	83.3	1.17	31.6	4.4
DP 1558NR B2RF	1626	43.8	83.7	1.16	32.1	4.7
ST 5115GLT	1626	41.2	82.9	1.14	31.1	4.3
PHY 444 WRF	1623	43.6	84.4	1.25	31.9	4.0
DP 1538 B2XF	1618	44.1	83.3	1.11	28.7	4.6
ST 6182GLT	1605	46.1	83.6	1.15	29.8	4.4
NG 5007 B2XF	1586	43.1	83.2	1.16	29.0	4.4
GA 2010019	1570	41.6	83.4	1.17	31.6	4.3
PHY 499 WRF	1550	42.9	84.1	1.13	32.0	4.6
ST 6448GLB2	1543	41.3	82.6	1.18	30.5	4.5
DP 1639 B2XF	1529	44.3	84.5	1.14	31.5	4.7
GA 2009037	1512	42.2	83.0	1.17	31.2	4.6
DP 1553 B2XF	1431	43.0	84.0	1.17	29.7	4.4
GA 230	1423	40.5	83.5	1.21	31.4	4.4
BRS 293	1351	40.4	83.6	1.15	33.3	4.7
Average	1569	43.0	83.6	1.17	30.9	4.5
LSD at 10% Level	74	0.4	0.5	0.01	0.7	0.1
CV %	10.9	2.2	0.9	1.90	3.5	4.9

1. 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:
Earlier Maturity Cotton Strains Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
GA 2013114	**1813**	41.8	83.9	1.26	31.7	4.0
PHY 444 WRF	**1812**	41.5	85.0	1.27	33.2	4.1
AMX 1603 B2XF	**1719**	42.8	82.7	1.17	29.1	3.8
GA 2013024	**1718**	39.2	83.7	1.23	32.1	3.9
DG 12WSTR-763-2 B2R	1672	43.1	83.2	1.19	34.4	3.9
WinField 16XA7 B2XF	1659	42.6	83.5	1.19	31.3	3.8
GA 2013055	1630	41.3	83.9	1.23	34.0	4.0
GA 2013098	1626	40.0	84.2	1.20	32.3	3.8
GA 2013025	1608	41.2	84.0	1.20	32.7	3.8
MON 16R229B2XF	1550	42.4	83.3	1.11	30.5	3.6
GA 2013027	1521	40.4	84.7	1.22	33.1	3.9
AMX 1605 B2XF	1511	39.5	83.6	1.13	32.3	3.7
AMX 1604 B2XF	1490	38.3	83.4	1.18	33.4	3.8
AMX 1602 B2XF	1374	38.6	82.7	1.13	29.4	3.6
Average	1622	40.9	83.7	1.19	32.1	3.8
LSD at 10% Level	128	1.0	1.2	0.04	2.0	0.1
CV %	6.6	2.0	0.8	1.74	3.5	2.0

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 9, 2016.
Harvested: October 6, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 30 lb N, 30 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 65 lb N and .25 lb Boron/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Pendimethalin, Diuron, Reflex, Staple, MSMA, Envoke, and Select used for weed control; Acephate and Prevathon used for insect control; Telon II used for nematode control; Mepiquat, Def, Drop, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.35	2.00	2.00	2.75	0.00
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

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

Plains, Georgia:
Earlier Maturity Cotton Strains Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
GA 2013114	**2020**	43.3	84.3	1.23	31.6	4.7
MON 16R229B2XF	1885	43.2	82.8	1.10	31.2	4.7
AMX 1605 B2XF	1885	43.0	84.0	1.13	32.6	4.6
AMX 1603 B2XF	1790	42.7	82.7	1.15	28.4	4.3
GA 2013024	1783	41.5	83.6	1.21	33.3	4.5
AMX 1602 B2XF	1761	42.0	82.8	1.14	28.7	4.7
PHY 444 WRF	1760	42.8	83.1	1.19	32.3	4.0
AMX 1604 B2XF	1752	41.6	82.3	1.13	31.7	4.5
GA 2013027	1746	42.5	84.1	1.21	32.0	4.7
GA 2013055	1635	42.7	83.8	1.26	33.3	4.5
WinField 16XA7 B2XF	1620	43.8	83.0	1.14	28.3	5.0
DG 12WSTR-763-2 B2R	1574	44.2	83.2	1.18	30.7	4.5
GA 2013025	1551	42.7	85.8	1.21	31.3	4.8
GA 2013098	1548	41.1	84.4	1.21	32.1	4.4
Average	1736	42.6	83.6	1.18	31.2	4.5
LSD at 10% Level	129	0.8	1.2	0.05	2.3	0.4
CV %	6.2	1.5	0.8	2.36	4.2	5.0

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 4, 2016.
Harvested: October 17, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Faceville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: 18 lb N, 16 lb P_2O_5, 60 lb K_2O, and 1000 lb lime/acre. Sidedress: 80 lb N/acre.
Previous Crop: Peanuts.
Management: Disked, subsoiled/bedded, and rototilled; Prowl, Reflex, and Staple used for weed control; Bidrin, Vydate, Prevathon, and Bifenthrin used for insect control; Mepiquate Chloride used for PGR.
Irrigation: 10.93 inches.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	0.90	2.20

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

Tifton, Georgia:
Earlier Maturity Cotton Strains Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**1650**	44.5	84.6	1.27	32.8	4.1
AMX 1603 B2XF	**1646**	43.5	85.0	1.18	29.2	3.8
GA 2013024	**1596**	44.1	85.3	1.21	32.5	3.9
AMX 1602 B2XF	**1540**	40.8	85.4	1.15	30.5	3.7
AMX 1605 B2XF	**1528**	42.0	83.7	1.12	33.0	3.6
GA 2013098	1481	42.4	84.8	1.22	33.1	3.9
MON 16R229B2XF	1427	44.0	83.9	1.14	31.7	3.7
GA 2013114	1413	43.1	84.3	1.22	32.4	3.9
AMX 1604 B2XF	1404	41.6	84.0	1.18	34.5	3.8
GA 2013025	1383	42.4	84.6	1.21	32.7	3.9
DG 12WSTR-763-2 B2R	1368	45.8	83.9	1.21	32.4	3.9
WinField 16XA7 B2XF	1289	46.1	85.2	1.21	32.3	3.9
GA 2013027	1278	40.7	84.8	1.21	34.0	3.9
GA 2013055	1128	42.1	83.7	1.23	34.7	4.0
Average	1438	43.1	84.5	1.20	32.5	3.8
LSD at 10% Level	167	1.6	1.8	0.03	1.5	0.1
CV %	9.7	3.1	0.7	1.40	2.6	1.7

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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, 2016.
Harvested: September 27, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.5.
Fertilization: 25 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 75 lb N and 30 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Reflex, Cotoran, Warrant, Dual Magnum, and Select Max used for weed control; Besiege and Knack used for insect control; Prep, Folex, and Dropp used for defoliation.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.75	2.00	5.00	2.50	0.50
Rainfall (in):	2.20	5.09	2.19	4.86	6.58

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

Yield Summary of Earlier Maturity Cotton Strains, 2016, Irrigated

Variety	Lint Yield[a] Midville	Plains	Tifton	3-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre				%	%	inches	g/tex	units
GA 2013114	**1813** [1]	**2020** [1]	1413 [8]	**1748** [1]	42.7	84.2	1.2	31.9	4.2
PHY 444 WRF	**1812** [2]	1760 [6]	**1650** [1]	**1741** [2]	42.9	84.2	1.2	32.8	4.0
AMX 1603 B2XF	**1719** [3]	1790 [3]	**1646** [2]	**1718** [3]	43.0	83.5	1.2	28.9	3.9
GA 2013024	**1718** [4]	1783 [4]	**1596** [3]	**1699** [4]	41.6	84.2	1.2	32.6	4.1
AMX 1605 B2XF	1511 [12]	1885 [2T]	**1528** [5]	**1641** [5]	41.5	83.7	1.1	32.6	4.0
MON 16R229B2XF	1550 [10]	1885 [2T]	1427 [7]	**1621** [6]	43.2	83.3	1.1	31.1	4.0
AMX 1602 B2XF	1374 [14]	1761 [5]	**1540** [4]	1559 [7]	40.4	83.6	1.1	29.5	4.0
GA 2013098	1626 [8]	1548 [13]	1481 [6]	1552 [8]	41.1	84.4	1.2	32.5	4.0
AMX 1604 B2XF	1490 [13]	1752 [7]	1404 [9]	1549 [9]	40.5	83.2	1.2	33.2	4.0
DG 12WSTR-763-2 B2RF	1672 [5]	1574 [11]	1368 [11]	1538 [10]	44.4	83.4	1.2	32.5	4.1
WinField 16XA7 B2XF	1659 [6]	1620 [10]	1289 [12]	1523 [11]	44.2	83.9	1.2	30.6	4.2
GA 2013027	1521 [11]	1746 [8]	1278 [13]	1515 [12]	41.2	84.5	1.2	33.0	4.2
GA 2013025	1608 [9]	1551 [12]	1383 [10]	1514 [13]	42.1	84.8	1.2	32.2	4.2
GA 2013055	1630 [7]	1635 [9]	1128 [14]	1464 [14]	42.0	83.8	1.2	34.0	4.1
Average	1622	1736	1438	1599	42.2	83.9	1.19	31.9	4.1
LSD at 10% Level	128	129	167	170	1.2	N.S.[b]	0.02	1.1	N.S.
CV %	6.6	6.2	9.7	7.5	2.3	0.8	1.90	3.5	3.5

[a] Superscript numbers indicate ranking at that location.

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

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

Midville, Georgia:
Later Maturity Cotton Strains Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1646 B2XF	**1869**	42.7	83.2	1.23	30.4	4.0
DP 1555 B2RF	**1767**	44.2	84.5	1.22	33.5	3.9
DP 1747NR B2XF	1690	45.2	83.0	1.14	32.4	3.7
ST 5115GLT	1665	37.9	82.5	1.13	30.4	3.7
AMX 1604 B2XF	1631	39.8	83.7	1.15	33.4	3.7
PHY 333 WRF	1621	41.9	82.6	1.19	33.1	3.8
DP 1558NR B2RF	1550	41.7	83.4	1.16	33.8	3.7
MON 16R251NRB2XF	1526	43.1	82.6	1.19	32.9	3.8
AMX 1603 B2XF	1496	39.9	82.4	1.16	28.5	3.7
MON 16R229B2XF	1441	42.6	83.2	1.11	30.7	3.6
Average	1625	41.9	83.1	1.17	31.9	3.7
LSD at 10% Level	154	1.0	0.9	0.03	1.5	0.1
CV %	7.9	2.0	0.6	1.40	2.5	1.3

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 9, 2016.
Harvested: October 6, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 30 lb N, 30 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 65 lb N and .25 lb Boron/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Pendimethalin, Diuron, Reflex, Staple, MSMA, Envoke, and Select used for weed control; Acephate and Prevathon used for insect control; Telon II used for nematode control; Mepiquat, Def, Drop, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.35	2.00	2.00	2.75	0.00
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

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

Plains, Georgia:
Later Maturity Cotton Strains Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1747NR B2XF	**2020**	43.3	82.4	1.12	31.3	4.3
MON 16R229B2XF	**1970**	43.4	81.8	1.09	29.5	4.7
AMX 1603 B2XF	**1887**	42.6	82.7	1.15	28.4	4.2
DP 1558NR B2RF	1843	43.0	83.7	1.16	31.1	4.6
AMX 1604 B2XF	1804	40.2	83.5	1.17	32.8	4.5
MON 16R251NRB2XF	1803	42.4	82.2	1.19	32.0	4.3
ST 5115GLT	1796	39.9	82.8	1.14	31.5	4.0
PHY 333 WRF	1701	41.5	83.6	1.15	30.4	4.2
DP 1555 B2RF	1643	43.3	82.4	1.19	31.7	3.8
DP 1646 B2XF	1621	43.7	83.1	1.25	29.6	4.1
Average	1809	42.3	82.8	1.16	30.8	4.3
LSD at 10% Level	160	0.7	N.S.[1]	0.04	1.4	0.2
CV %	7.3	1.4	0.9	2.05	2.6	3.2

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 4, 2016.
Harvested: October 17, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Faceville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.1.
Fertilization: 18 lb N, 16 lb P_2O_5, 60 lb K_2O, and 1000 lb lime/acre. Sidedress: 80 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, rototilled, and cultivated; Prowl, Reflex, Diuron, MSMA, Staple used for weed control; Bidrin and Bifenthrin used for insect control; Mepiquate Chloride used for PGR.
Irrigation: 10.93 inches.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	0.90	2.20

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

Tifton, Georgia:
Later Maturity Cotton Strains Performance, 2016, Irrigated

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1646 B2XF	**1585**	46.1	84.1	1.26	30.9	4.0
PHY 333 WRF	**1568**	42.9	84.9	1.15	31.5	3.7
ST 5115GLT	**1478**	40.8	83.2	1.16	31.9	3.8
DP 1555 B2RF	**1468**	44.7	85.1	1.19	34.0	3.8
AMX 1603 B2XF	1437	43.4	83.9	1.16	29.1	3.7
MON 16R229B2XF	1425	43.9	84.6	1.12	30.1	3.6
AMX 1604 B2XF	1377	42.5	84.1	1.13	33.2	3.6
DP 1747NR B2XF	1350	45.8	84.7	1.16	33.6	3.7
MON 16R251NRB2XF	1117	44.3	84.2	1.21	33.4	3.9
DP 1558NR B2RF	1048	42.9	84.1	1.15	32.6	3.7
Average	1385	43.7	84.3	1.17	32	3.7
LSD at 10% Level	126	0.4	N.S.[1]	0.04	1.3	0.1
CV %	7.6	0.8	1.0	1.74	2.2	1.6

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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, 2016.
Harvested: September 27, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.5.
Fertilization: 25 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 75 lb N and 30 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Reflex, Cotoran, Warrant, Dual Magnum, and Select Max used for weed control; Besiege and Knack used for insect control; Prep, Folex, and Dropp used for defoliation.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.75	2.00	5.00	2.50	0.50
Rainfall (in):	2.20	5.09	2.19	4.86	6.58

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

Yield Summary of Later Maturity Cotton Strains, 2016, Irrigated

Variety	Lint Yield[a] Midville	Plains	Tifton	3-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre				%	%	inches	g/tex	units
DP 1646 B2XF	**1869** [1]	1621 [10]	**1585** [1]	**1692** [1]	44.2	83.4	1.25	30.3	4.0
PHY 333 WRF	1621 [6]	1701 [8]	**1568** [2]	**1630** [2]	42.1	83.7	1.16	31.6	3.9
ST 5115GLT	1665 [4]	1796 [7]	**1478** [3]	**1646** [3]	39.5	82.8	1.14	31.3	3.8
DP 1555 B2RF	**1767** [2]	1643 [9]	**1468** [4]	**1626** [4]	44.1	84.0	1.20	33.0	3.8
AMX 1603 B2XF	1496 [9]	**1887** [3]	1437 [5]	**1606** [5]	41.9	83.0	1.16	28.7	3.9
MON 16R229B2XF	1441 [10]	**1970** [2]	1425 [6]	**1612** [6]	43.3	83.2	1.11	30.1	3.9
AMX 1604 B2XF	1631 [5]	1804 [5]	1377 [7]	**1604** [7]	40.8	83.7	1.15	33.1	3.9
DP 1747NR B2XF	1690 [3]	**2020** [1]	1350 [8]	**1687** [8]	44.8	83.3	1.14	32.4	3.9
MON 16R251NRB2XF	1526 [8]	1803 [6]	1117 [9]	**1482** [9]	43.3	83.0	1.20	32.8	4.0
DP 1558NR B2RF	1550 [7]	1843 [4]	1048 [10]	**1480** [10]	42.5	83.7	1.16	32.5	4.0
Average	1625	1809	1385	1607	42.7	83.4	1.17	31.6	3.9
LSD at 10% Level	154	160	126	N.S.[b]	1.2	N.S.	0.02	1.0	N.S.
CV %	7.9	7.3	7.6	7.6	1.5	0.8	1.70	2.4	2.3

[a] Superscript numbers indicate ranking at that location.

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

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

Athens, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**1518**	45.2	85.2	1.17	34.3	3.8
DG 2615 B2RF	**1482**	44.8	84.6	1.17	33.1	3.8
DG CT15634 B2RF	1332	44.3	83.7	1.11	30.7	3.6
PHY 499 WRF	1326	43.7	82.8	1.06	33.0	3.4
GA 2011113	1319	42.7	83.9	1.11	33.2	3.6
PHY 333 WRF	1305	45.3	83.5	1.10	31.2	3.6
SSG HQ 212 CT	1299	40.2	83.5	1.07	33.5	3.5
DP 1522 B2XF	1297	42.1	82.6	1.08	30.9	3.5
SSG UA 222	1296	40.3	84.0	1.15	33.4	3.7
PHY 487 WRF	1294	42.3	83.1	1.07	29.8	3.5
SSG HQ 210 CT	1268	40.7	83.2	1.07	33.0	3.4
DG 3526 B2XF	1239	45.6	83.8	1.07	29.5	3.4
NG 3406 B2XF	1222	43.6	83.2	1.08	31.1	3.5
GA 2012082	1213	43.1	84.0	1.13	33.6	3.7
PHY 312 WRF	1162	43.5	84.6	1.11	32.3	3.6
MON 15R513B2XF	1159	41.4	83.8	1.13	31.9	3.6
NG 3522 B2XF	1153	42.5	81.9	1.06	27.9	3.4
GA 2012050	1149	41.3	85.2	1.17	36.9	3.7
GA 2012141	1141	44.1	85.2	1.15	33.9	3.7
DP 1614 B2XF	1025	44.4	83.3	1.10	31.9	3.5
BRS 286	998	40.1	83.1	1.08	34.9	3.5
BRS 335	962	41.5	83.1	1.10	31.2	3.5
Average	1235	42.8	83.7	1.1	32.3	3.5
LSD at 10% Level	158	0.8	1.2	0.04	2.0	0.1
CV %	10.8	1.6	0.8	2.30	3.6	2.3

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 3, 2016.
Harvested: October 5, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Madison A and B.
Soil Test: P = Very High, K = High, and pH = 6.2.
Fertilization: 39 lb N, 78 lb P_2O_5, and 78 lb K_2O/acre. Sidedress: 94 lb N/acre.
Previous Crop: Fallow.
Management: Disked and rototilled; Glyphosate used for burndown; Prowl, Reflex, Cotoran, Staple, Poast, Diuron, MSMA, and Envoke used for weed control; Folex and Clean Pik used for defoliants; Super Boll and Response used for boll openers; Acephate used for insect control.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.82	5.92	2.20	1.70	1.30

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

Midville, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 312 WRF	**1172**	42.3	82.2	1.13	31.1	3.7
BRS 335	**1154**	41.0	83.1	1.16	33.3	3.7
PHY 333 WRF	**1106**	42.8	83.7	1.17	33.2	3.8
PHY 444 WRF	**1097**	44.7	84.0	1.21	35.1	3.9
DG 3526 B2XF	**1093**	44.3	81.5	1.07	29.3	3.4
GA 2012082	**1093**	41.2	82.7	1.11	31.0	3.6
DG 2615 B2RF	**1068**	41.7	83.9	1.15	35.4	3.7
DG CT15634 B2RF	1025	42.8	82.7	1.09	30.7	3.5
PHY 487 WRF	1012	40.4	80.4	1.05	28.0	3.4
DP 1522 B2XF	1008	41.0	83.8	1.13	31.9	3.6
NG 3406 B2XF	1000	40.3	82.7	1.11	30.4	3.6
GA 2011113	996	41.1	83.5	1.13	33.8	3.7
MON 15R513B2XF	979	40.5	83.9	1.13	33.3	3.7
GA 2012141	971	40.4	83.2	1.17	33.7	3.8
SSG HQ 212 CT	968	38.2	82.4	1.10	31.9	3.5
SSG UA 222	953	38.4	84.5	1.17	34.1	3.7
BRS 286	946	39.7	82.8	1.14	34.3	3.7
PHY 499 WRF	920	39.6	83.9	1.09	34.7	3.5
NG 3522 B2XF	916	40.5	81.9	1.05	28.4	3.4
DP 1614 B2XF	913	42.0	82.5	1.11	32.8	3.6
GA 2012050	868	38.6	84.9	1.17	34.5	3.8
SSG HQ 210 CT	864	36.9	81.7	1.05	30.9	3.4
Average	1006	40.8	83	1.12	32.3	3.6
LSD at 10% Level	121	1.4	1.2	0.03	1.7	0.1
CV %	10.2	2.9	0.9	1.74	3.1	1.9

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 9, 2016.
Harvested: October 6, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 30 lb N, 30 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 65 lb N and .25 lb Boron/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Pendimethalin, Diuron, Reflex, Staple, MSMA, Envoke, and Select used for weed control; Acephate and Prevathon used for insect control; Telon II used for nematode control; Mepiquat, Def, Drop, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

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

Plains, Georgia:
Dryland Earlier Maturity Cotton Strains Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DG 2615 B2RF	**1267**	42.8	82.5	1.17	33.2	5.1
PHY 499 WRF	**1237**	41.4	83.4	1.11	31.6	5.0
PHY 444 WRF	**1212**	42.0	84.1	1.22	32.9	4.3
BRS 335	**1192**	39.2	81.9	1.14	31.0	4.6
DG CT15634 B2RF	**1146**	45.0	82.0	1.05	27.6	4.8
PHY 487 WRF	**1146**	41.1	80.7	1.08	29.9	5.3
BRS 286	**1136**	39.7	81.9	1.13	32.8	4.6
SSG HQ 212 CT	1098	37.1	81.6	1.10	31.9	5.0
DP 1614 B2XF	1092	43.0	83.0	1.17	30.1	5.3
SSG UA 222	1077	40.0	83.1	1.15	30.4	5.1
DP 1522 B2XF	1076	41.7	82.3	1.08	29.5	4.8
PHY 312 WRF	1065	43.6	82.9	1.09	30.4	4.8
GA 2012050	1045	39.5	83.8	1.13	33.0	4.5
MON 15R513B2XF	1033	39.6	83.6	1.14	30.2	5.0
NG 3406 B2XF	1009	42.2	82.5	1.07	27.3	4.7
PHY 333 WRF	1008	43.2	82.4	1.11	30.8	4.7
GA 2012082	1005	40.5	82.2	1.11	29.1	5.0
SSG HQ 210 CT	981	37.5	82.5	1.09	31.8	4.8
DG 3526 B2XF	971	41.8	82.4	1.07	28.9	4.6
GA 2011113	932	42.2	83.8	1.18	32.9	4.9
NG 3522 B2XF	906	40.3	81.6	1.08	26.8	4.8
GA 2012141	821	41.6	83.7	1.17	32.3	4.9
Average	1066	41.1	82.6	1.12	30.6	4.8
LSD at 10% Level	133	0.9	1.2	0.04	1.5	0.4
CV %	10.6	1.9	0.9	1.82	2.9	4.2

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 4, 2016.
Harvested: October 18, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.2.
Fertilization: 18 lb N, 16 lb P_2O_5, 60 lb K_2O, and 1000 lb lime/acre. Sidedress: 80 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, rototilled, and cultivated; Prowl, Reflex, Diuron, MSMA, Staple used for weed control; Bidrin and Bifenthrin used for insect control; Mepiquate Chloride used for PGR.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	0.90	2.20

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

Tifton, Georgia:
Dryland Earlier Maturity Cotton Variety Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**1242**	44.9	84.9	1.17	33.7	3.8
SSG HQ 212 CT	963	40.6	82.1	1.06	32.5	3.4
DG 2615 B2RF	926	43.9	82.0	1.13	32.0	3.6
PHY 499 WRF	819	43.8	84.1	1.07	34.4	3.5
PHY 333 WRF	809	44.2	84.5	1.14	32.9	3.7
PHY 312 WRF	803	43.3	84.1	1.10	32.6	3.6
DG 3526 B2XF	800	47.7	83.6	1.07	30.1	3.5
SSG HQ 210 CT	794	40.5	81.6	1.06	32.7	3.4
GA 2012082	767	42.3	84.0	1.09	31.5	3.5
BRS 286	761	41.8	81.3	1.04	31.8	3.3
NG 3522 B2XF	747	44.2	82.3	1.03	28.2	3.3
NG 3406 B2XF	733	43.6	83.4	1.07	30.7	3.4
PHY 487 WRF	729	43.9	82.1	1.04	29.4	3.4
BRS 335	704	41.0	82.5	1.13	31.8	3.6
DG CT15634 B2RF	694	45.0	82.5	1.06	29.5	3.4
SSG UA 222	692	41.1	83.3	1.15	31.9	3.7
GA 2012050	672	39.6	83.8	1.13	36.5	3.6
GA 2011113	596	42.5	83.9	1.08	32.6	3.5
DP 1522 B2XF	582	42.6	84.0	1.09	32.5	3.5
MON 15R513B2XF	535	41.5	82.0	1.09	30.0	3.5
GA 2012141	531	41.8	84.0	1.17	34.4	3.8
DP 1614 B2XF	507	44.5	84.2	1.13	33.1	3.7
Average	746	42.9	83.2	1.10	32.0	3.5
LSD at 10% Level	166	1.1	1.4	0.05	2.0	0.2
CV %	19.0	2.1	1.0	2.52	3.7	2.8

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 2, 2016.
Harvested: September 28, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P =Low, K = Medium, and pH = 6.7.
Fertilization: 25 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 75 lb N and 30 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Reflex, Cotoran, Warrant, Dual Magnum, and Select Max used for weed control; Besiege and Knack used for insect control; Prep, Folex, and Dropp used for defoliation.

	May	June	July	Aug.	Sept.
Rainfall (in):	2.20	5.09	2.19	4.86	6.58

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

Yield Summary of Dryland Earlier Maturity Cotton Varieties, 2016

Variety	Lint Yield[a] Athens	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
PHY 444 WRF	**1518** [1]	**1097** [4]	**1212** [3]	**1242** [1]	**1267** [1]	44.2	84.5	1.19	34.0	3.9
DG 2615 B2RF	**1482** [2]	**1068** [6]	**1267** [1]	926 [3]	**1186** [2]	43.3	83.2	1.15	33.4	4.0
SSG HQ 212 CT	1299 [7]	968 [14]	1098 [7]	962 [2]	1082 [3]	39.0	82.4	1.08	32.4	3.8
PHY 499 WRF	1326 [4]	920 [17]	**1237** [2]	818 [4]	1075 [4]	42.1	83.6	1.08	33.4	3.8
PHY 333 WRF	1305 [6]	**1106** [3]	1008 [15]	809 [5]	1057 [5]	43.9	83.5	1.13	32.0	3.9
PHY 312 WRF	1162 [15]	**1172** [1]	1065 [11]	803 [6]	1050 [6]	43.2	83.4	1.10	31.6	3.9
DG CT15634 B2RF	1332 [3]	1025 [7]	**1146** [5T]	694 [15]	1049 [7]	44.3	82.7	1.08	29.6	3.8
PHY 487 WRF	1294 [10]	1012 [8]	**1146** [5T]	729 [13]	1045 [8]	41.9	81.6	1.06	29.3	3.9
DG 3526 B2XF	1239 [12]	**1093** [5T]	971 [18]	800 [7]	1026 [9]	44.9	82.8	1.07	29.5	3.7
GA 2012082	1213 [14]	**1093** [5T]	1005 [16]	767 [9]	1020 [10]	41.8	83.2	1.11	31.3	3.9
SSG UA 222	1296 [9]	953 [15]	1077 [9]	692 [16]	1004 [11]	40.0	83.7	1.15	32.4	4.0
BRS 335	962 [22]	**1154** [2]	**1192** [4]	704 [14]	1003 [12]	40.7	82.6	1.13	31.8	3.9
NG 3406 B2XF	1222 [13]	1000 [10]	1009 [14]	733 [12]	991 [13T]	42.4	82.9	1.08	29.9	3.8
DP 1522 B2XF	1297 [8]	1008 [9]	1076 [10]	582 [19]	991 [13T]	41.9	83.1	1.09	31.2	3.8
SSG HQ 210 CT	1268 [11]	864 [21]	981 [17]	794 [8]	977 [14]	38.9	82.2	1.07	32.1	3.8
GA 2011113	1319 [5]	996 [11]	932 [19]	596 [18]	961 [15]	42.1	83.8	1.12	33.1	3.9
BRS 286	998 [21]	946 [16]	**1136** [6]	761 [10]	960 [16]	40.3	82.3	1.09	33.4	3.7
GA 2012050	1149 [18/]	868 [20]	1045 [12]	672 [17]	934 [17]	39.8	84.4	1.15	35.2	3.9
NG 3522 B2XF	1153 [17]	916 [18]	906 [20]	747 [11]	930 [18]	41.9	81.9	1.05	27.8	3.7
MON 15R513B2XF	1159 [16]	979 [12]	1033 [13]	535 [20]	927 [19]	40.8	83.3	1.12	31.3	3.9
DP 1614 B2XF	1025 [20]	913 [19]	1092 [8]	507 [22]	884 [20]	43.5	83.2	1.12	31.9	4.0
GA 2012141	1141 [19]	971 [13]	821 [21]	531 [21]	866 [21]	42.0	84.0	1.16	33.5	4.0
Average	1235	1006	1066	746	1013	41.9	83.1	1.11	31.8	3.9
LSD at 10% Level	158	121	133	166	121	1.0	0.8	0.02	1.2	0.2
CV %	10.8	10.2	10.6	19	12.1	2.2	0.9	2.10	3.3	3.1

[a] Superscript numbers 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[1], 2015-2016

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**1094**	45.0	83.9	1.18	32.3	4.1
DG 2615 B2RF	**1066**	43.7	82.8	1.15	32.4	4.5
PHY 499 WRF	1006	43.6	83.2	1.08	32.2	4.4
PHY 487 WRF	992	42.9	81.6	1.07	28.7	4.6
PHY 312 WRF	972	44.2	83.3	1.12	30.9	4.3
SSG UA 222	967	41.2	83.1	1.14	31.1	4.5
DP 1522 B2XF	948	42.9	82.5	1.11	30.4	4.4
PHY 333 WRF	946	44.4	83.3	1.13	30.9	4.3
BRS 335	944	41.4	82.3	1.12	30.8	4.3
SSG HQ 212 CT	936	40.2	82.0	1.09	31.5	4.5
MON 15R513B2XF	935	42.2	83.0	1.13	30.1	4.5
DP 1614 B2XF	884	44.4	83.4	1.14	31.1	4.6
NG 3406 B2XF	876	43.2	82.5	1.09	29.1	4.3
SSG HQ 210 CT	841	39.3	82.0	1.08	31.2	4.3
Average	958	42.7	82.8	1.12	30.9	4.4
LSD at 10% Level	56	0.4	0.5	0.01	0.6	0.1
CV %	14.2	2.3	1.1	2.30	3.6	4.3

1. Athens, Midville, Plains, and Tifton.
Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Athens, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 496 W3RF	**1411**	44.9	84.1	1.11	36.2	3.6
PHY 487 WRF	**1371**	42.7	82.3	1.06	30.3	3.4
ST 6448GLB2	**1332**	43.6	83.0	1.12	31.1	3.6
GA 2010019	**1323**	42.2	83.2	1.12	32.5	3.6
DP 1639 B2XF	**1323**	44.1	83.4	1.07	33.9	3.5
CG 3787 B2RF	**1311**	44.5	84.0	1.12	31.7	3.6
DG 3757 B2XF	**1309**	46.0	82.6	1.07	30.0	3.5
NG 5007 B2XF	**1296**	43.8	82.2	1.10	30.3	3.6
BX 1739GLT	**1277**	44.8	82.9	1.16	34.1	3.7
DP 1646 B2XF	1225	46.4	84.0	1.17	32.7	3.8
PHY 444 WRF	1225	43.4	84.0	1.17	33.4	3.7
ST 4848GLT	1216	47.1	83.6	1.07	32.2	3.5
PHY 499 WRF	1213	43.6	83.6	1.07	34.1	3.4
PHY 333 WRF	1206	45.3	84.0	1.12	31.8	3.6
DP 1555 B2RF	1175	44.5	82.0	1.09	32.6	3.5
ST 6182GLT	1139	48.2	82.8	1.09	29.5	3.5
GA 2009037	1132	41.5	83.3	1.11	32.8	3.6
GA 230	1097	40.7	84.4	1.19	34.7	3.9
DP 1558NR B2RF	1083	43.6	83.7	1.08	34.3	3.5
MON 15R535B2XF	1082	46.7	82.3	1.08	31.4	3.5
Croplan 3885 B2XF	1074	43.9	83.5	1.09	29.6	3.5
BRS 293	1070	42.3	82.5	1.05	31.9	3.4
ST 5115GLT	1063	41.9	82.3	1.08	32.4	3.5
DP 1538 B2XF	1012	44.1	82.4	1.05	29.1	3.4
ST 4949GLT	1005	44.8	83.1	1.07	32.4	3.5
DP 1553 B2XF	768	45.2	82.6	1.11	30.7	3.6
Average	1182	44.2	83.1	1.10	32.1	3.6
LSD at 10% Level	154	1.2	1.3	0.03	1.8	0.1
CV %	11.2	2.3	0.9	1.75	3.4	2.2

Athens, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2016 (Continued)

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 3, 2016.
Harvested:	October 5, 2016.
Seeding Rate:	4 seeds/foot in 36" rows.
Soil Type:	Madison A and B.
Soil Test:	P = Very High, K = High, and pH = 6.2.
Fertilization:	39 lb N, 78 lb P_2O_5, and 78 lb K_2O/acre. Sidedress: 94 lb N/acre.
Previous Crop:	Fallow.
Management:	Disked and rototilled; Glyphosate used for burndown; Prowl, Reflex, Cotoran, Staple, Poast, Diuron, MSMA, and Envoke used for weed control; Folex and Clean Pik used for defoliants; Super Boll and Response used for boll openers; Acephate used for insect control.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.82	5.92	2.20	1.70	1.30

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

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
PHY 444 WRF	**1253**	44.8	85.2	1.19	33.0	3.8
ST 6182GLT	**1135**	47.3	82.3	1.11	29.3	3.6
Croplan 3885 B2XF	**1125**	43.2	82.9	1.08	29.4	3.5
BX 1739GLT	1103	44.8	82.8	1.21	35.7	3.9
DP 1725 B2XF	1086	43.8	81.7	1.09	29.8	3.5
ST 4949GLT	1061	44.4	82.4	1.09	29.9	3.5
DP 1646 B2XF	1052	44.8	81.6	1.16	29.6	3.7
DP 1538 B2XF	1046	45.2	82.7	1.08	29.2	3.5
ST 6448GLB2	1044	42.3	82.9	1.14	28.7	3.7
DP 1555 B2RF	1043	45.3	81.7	1.08	30.9	3.5
PHY 496 W3RF	1023	42.6	83.1	1.05	31.5	3.4
ST 4848GLT	1005	43.1	82.9	1.09	30.4	3.5
PHY 499 WRF	985	41.4	83.0	1.08	30.0	3.5
DP 1639 B2XF	980	42.9	81.9	1.07	32.0	3.5
DG 3757 B2XF	975	42.5	81.9	1.06	28.2	3.4
ST 5115GLT	971	43.1	79.8	1.05	30.2	3.4
GA 2010019	967	39.9	83.3	1.10	31.3	3.5
PHY 487 WRF	964	40.8	81.4	1.03	29.6	3.3
PHY 333 WRF	958	43.7	82.4	1.09	29.4	3.5
NG 5007 B2XF	957	42.6	82.7	1.11	28.7	3.6
BRS 293	952	40.9	82.2	1.02	30.6	3.3
GA 230	944	38.2	83.2	1.21	34.2	3.9
DP 1558NR B2RF	935	43.1	82.2	1.05	32.6	3.4
DP 1553 B2XF	917	43.1	84.1	1.15	32.0	3.7
CG 3787 B2RF	904	42.9	84.8	1.13	30.0	3.6
GA 2009037	878	40.4	83.1	1.10	32.1	3.6
Average	1010	43.0	82.6	1.10	30.7	3.6
LSD at 10% Level	138	0.9	N.S.[1]	0.08	3.3	0.3
CV %	11.7	1.7	1.7	4.39	6.4	4.8

Midville, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2016 (Continued)

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 9, 2016.
Harvested: October 6, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = High, K = Medium, and pH = 6.5.
Fertilization: 30 lb N, 30 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 65 lb N and .25 lb Boron/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Pendimethalin, Diuron, Reflex, Staple, MSMA, Envoke, and Select used for weed control; Acephate and Prevathon used for insect control; Telon II used for nematode control; Mepiquat, Def, Drop, and Ethephon used for PGR.

	May	June	July	Aug.	Sept.
Rainfall (in):	4.22	3.95	6.20	3.88	4.88

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

Plains, Georgia:
Dryland Later Maturity Cotton Strains Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1555 B2RF	**1333**	43.6	83.2	1.17	32.3	4.8
PHY 496 W3RF	**1276**	43.9	82.8	1.06	32.0	5.1
PHY 499 WRF	**1248**	41.7	83.9	1.11	31.9	4.8
PHY 444 WRF	**1199**	42.1	83.1	1.17	31.3	4.2
ST 6182GLT	1192	45.6	83.6	1.15	29.4	4.8
CG 3787 B2RF	1165	42.3	83.5	1.10	27.8	4.9
Croplan 3885 B2XF	1163	41.8	83.1	1.13	28.7	4.7
DG 3757 B2XF	1157	41.6	83.4	1.12	28.8	4.7
DP 1558NR B2RF	1145	42.2	83.4	1.16	33.2	5.0
GA 2010019	1131	41.3	82.5	1.13	31.9	4.6
DP 1646 B2XF	1128	42.3	83.3	1.20	29.4	4.8
PHY 487 WRF	1061	40.7	82.4	1.09	30.2	5.2
GA 230	1060	38.4	83.5	1.21	31.7	5.0
ST 6448GLB2	1058	39.5	82.7	1.17	30.5	4.8
PHY 333 WRF	1049	43.8	83.9	1.14	31.4	4.8
DP 1538 B2XF	1048	42.1	83.3	1.08	29.1	5.0
DP 1639 B2XF	1039	43.2	84.1	1.13	31.8	5.2
BRS 293	1034	39.1	83.0	1.13	33.8	4.8
NG 5007 B2XF	1029	41.8	82.4	1.12	28.3	4.7
ST 4848GLT	1012	43.8	83.8	1.11	30.7	5.0
DP 1725 B2XF	984	45.1	83.4	1.14	30.9	4.9
GA 2009037	984	41.3	81.6	1.12	29.6	5.2
ST 4949GLT	968	44.0	83.1	1.08	29.1	5.2
ST 5115GLT	936	41.2	83.0	1.11	31.1	4.7
BX 1739GLT	934	43.0	83.9	1.23	34.5	4.8
DP 1553 B2XF	922	41.5	82.2	1.15	28.9	4.8
Average	1087	42.2	83.2	1.14	30.7	4.9
LSD at 10% Level	136	0.6	1.1	0.04	1.6	0.3
CV %	10.8	1.2	0.8	1.97	3.1	3.8

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 4, 2016.
Harvested: October 18, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.2.
Fertilization: 18 lb N, 16 lb P_2O_5, 60 lb K_2O, and 1000 lb lime/acre. Sidedress: 80 lb N/acre.
Previous Crop: Soybeans.
Management: Disked, subsoiled/bedded, rototilled, and cultivated; Prowl, Reflex, Diuron, MSMA, Staple used for weed control; Bidrin and Bifenthrin used for insect control; Mepiquate Chloride used for PGR.

	May	June	July	Aug.	Sept.
Rainfall (in):	0.79	4.02	1.03	0.90	2.20

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

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2016

Variety	Lint Yield	Lint*	Uniformity Index*	Length*	Strength*	Micronaire*
	lb/acre	%	%	inches	g/tex	units
DP 1555 B2RF	**1135**	45.0	83.6	1.11	32.9	3.6
Croplan 3885 B2XF	**1079**	44.4	82.1	1.09	29.6	3.5
PHY 496 W3RF	**1066**	43.2	84.0	1.08	32.1	3.5
PHY 444 WRF	**1045**	44.1	83.5	1.19	34.9	3.8
GA 230	**1029**	40.7	83.1	1.16	32.1	3.7
DG 3757 B2XF	**1020**	45.6	81.9	1.09	29.4	3.5
DP 1538 B2XF	**1000**	43.4	83.4	1.06	29.2	3.4
DP 1558NR B2RF	**987**	43.2	83.6	1.12	33.3	3.6
GA 2009037	**969**	40.3	82.2	1.13	31.2	3.7
ST 4848GLT	**959**	43.5	83.1	1.08	30.5	3.5
DP 1725 B2XF	**939**	44.0	82.7	1.13	31.0	3.6
PHY 487 WRF	**918**	42.2	80.8	1.03	29.0	3.3
ST 6182GLT	**918**	46.8	82.5	1.06	28.2	3.4
DP 1639 B2XF	**915**	43.0	83.4	1.08	32.2	3.5
GA 2010019	**901**	41.5	81.4	1.07	30.5	3.5
PHY 499 WRF	**899**	44.1	82.8	1.05	31.7	3.4
ST 6448GLB2	**896**	42.4	82.2	1.12	29.4	3.6
NG 5007 B2XF	**886**	44.3	82.6	1.11	29.6	3.6
ST 4949GLT	**883**	44.2	83.2	1.10	30.8	3.6
DP 1646 B2XF	**882**	44.7	82.8	1.16	30.8	3.7
CG 3787 B2RF	**876**	43.8	82.4	1.08	29.5	3.5
BRS 293	**847**	39.6	82.7	1.10	34.9	3.5
PHY 333 WRF	**832**	44.3	83.2	1.10	31.4	3.6
DP 1553 B2XF	**805**	43.4	82.9	1.13	30.9	3.7
ST 5115GLT	**798**	41.9	81.3	1.07	31.2	3.5
BX 1739GLT	**765**	44.9	84.1	1.16	32.8	3.7
Average	933	43.4	82.8	1.10	31.1	3.6
LSD at 10% Level	N.S.[1]	0.8	1.2	0.03	1.2	0.1
CV %	21.4	1.5	0.8	1.83	2.2	1.9

Tifton, Georgia:
Dryland Later Maturity Cotton Variety Performance, 2016 (Continued)

* A random quality sample was taken on the picker during harvest and ginned in small gin in the SWVT Lab on the UGA Griffin 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 2, 2016.
Harvested: September 28, 2016.
Seeding Rate: 4 seeds/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P =Low, K = Medium, and pH = 6.7.
Fertilization: 25 lb N, 80 lb P_2O_5, and 80 lb K_2O/acre. Sidedress: 75 lb N and 30 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Disked and subsoiled/bedded; Reflex, Cotoran, Warrant, Dual Magnum, and Select Max used for weed control; Besiege and Knack used for insect control; Prep, Folex, and Dropp used for defoliation.

	May	June	July	Aug.	Sept.
Rainfall (in):	2.20	5.09	2.19	4.86	6.58

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

Yield Summary of Dryland Later Maturity Cotton Varieties, 2016

Variety	Lint Yield[a] Athens	Midville	Plains	Tifton	4-Loc. Average	Lint	Unif. Index	Length	Strength	Mic.
	lb/acre					%	%	in	g/tex	units
PHY 496 W3RF	**1411** [1]	1023 [11]	**1276** [2]	**1066** [3]	**1194** [1]	43.7	83.5	1.07	32.9	3.9
PHY 444 WRF	1225 [9T]	**1253** [1]	**1199** [4]	**1045** [4]	**1180** [2]	43.6	83.9	1.18	33.1	3.9
DP 1555 B2RF	1175 [13]	1043 [10]	**1333** [1]	**1135** [1]	**1171** [3]	44.6	82.6	1.11	32.2	3.8
DG 3757 B2XF	**1309** [6]	975 [15]	**1157** [8]	**1020** [6]	**1115** [4]	43.9	82.4	1.08	29.1	3.7
Croplan 3885 B2XF	1074 [19]	**1125** [3]	**1163** [7]	**1079** [2]	**1110** [5]	43.3	82.9	1.09	29.3	3.8
ST 6182GLT	1139 [14]	**1135** [2]	**1192** [5]	**918** [12T]	**1096** [6]	47.0	82.8	1.10	29.1	3.8
PHY 499 WRF	1213 [11]	985 [13]	**1248** [3]	**899** [15]	**1086** [7]	42.7	83.3	1.08	31.9	3.8
ST 6448GLB2	**1332** [3]	1044 [9]	1058 [14]	**896** [16]	1083 [8]	41.9	82.7	1.14	29.9	3.9
GA 2010019	**1323** [4T]	967 [17]	**1131** [10]	**901** [14]	1081 [9]	41.2	82.6	1.10	31.5	3.8
PHY 487 WRF	**1371** [2]	964 [18]	1061 [12]	**918** [12T]	1078 [10]	41.6	81.7	1.05	29.8	3.8
DP 1646 B2XF	1225 [9T]	1052 [7]	**1128** [11]	**882** [19]	1072 [11]	44.6	82.9	1.17	30.6	4.0
DP 1639 B2XF	**1323** [4T]	980 [14]	1039 [17]	**915** [13]	1064 [12T]	43.3	83.2	1.09	32.5	3.9
CG 3787 B2RF	**1311** [5]	904 [25]	**1165** [6]	**876** [20]	1064 [12T]	43.4	83.7	1.11	29.7	3.9
ST 4848GLT	1216 [10]	1005 [12]	1012 [20]	**959** [10]	1048 [13]	44.4	83.3	1.09	30.9	3.9
NG 5007 B2XF	**1296** [7]	957 [20]	1029 [19]	**886** [17]	1042 [14]	43.1	82.5	1.11	29.2	3.8
DP 1558NR B2RF	1083 [17]	935 [23]	**1145** [9]	**987** [8]	1038 [15]	43.0	83.2	1.10	33.3	3.8
GA 230	1097 [19]	944 [22]	1060 [13]	**1029** [5]	1032 [16]	39.5	83.6	1.19	33.2	4.1
DP 1538 B2XF	1012 [22]	1046 [8]	1048 [16]	**1000** [7]	1027 [17]	43.7	83.0	1.07	29.1	3.8
DP 1725 B2XF	1082 [18]	1086 [5]	984 [21T]	**939** [11]	1023 [18]	44.9	82.5	1.11	30.7	3.9
BX 1739GLT	**1277** [8]	1103 [4]	934 [24]	**765** [25]	1020 [19]	44.4	83.4	1.19	34.3	4.0
PHY 333 WRF	1206 [12]	958 [19]	1049 [15]	**832** [22]	1011 [20]	44.3	83.3	1.11	31.0	3.9
GA 2009037	1132 [15]	878 [26]	984 [21T]	**969** [9]	991 [21]	40.9	82.5	1.11	31.4	4.0
ST 4949GLT	1005 [23]	1061 [6]	969 [22]	**883** [18]	979 [22]	44.4	82.9	1.08	30.5	3.9
BRS 293	1070 [20]	952 [21]	1034 [18]	**847** [21]	976 [23]	40.5	82.6	1.07	32.8	3.8
ST 5115GLT	1063 [21]	971 [16]	936 [23]	**798** [24]	942 [24]	42.0	81.6	1.08	31.2	3.7
DP 1553 B2XF	768 [24]	917 [24]	922 [25]	**805** [23]	853 [25]	43.3	82.9	1.14	30.6	3.9
Average	1182	1010	1087	925	1053	43.2	82.9	1.11	31.1	3.9
LSD at 10% Level	154	138	136	N.S.[b]	110	1.0	0.8	0.02	1.2	N.S.
CV %	11.2	11.7	10.8	21.4	13.9	1.7	1.1	2.70	4.1	3.5

[a] Superscript numbers indicate ranking at that location.

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

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

Two-Year Summary of Dryland Later Maturity Cotton Varieties at Four Locations[1], 2015-2016

Variety	Lint Yield	Lint	Uniformity Index	Length	Strength	Micronaire
	lb/acre	%	%	inches	g/tex	units
DP 1555 B2RF	**910**	39.6	82.5	1.13	32.1	4.4
PHY 444 WRF	**875**	39.2	83.9	1.19	32.3	4.2
ST 6182GLT	**864**	41.7	83.1	1.12	29.3	4.3
DP 1646 B2XF	**860**	39.8	83.1	1.19	29.9	4.4
PHY 499 WRF	**856**	38.2	83.2	1.11	32.1	4.2
DP 1558NR B2RF	839	38.2	83.3	1.13	32.9	4.4
DP 1538 B2XF	836	39.2	82.8	1.08	28.7	4.3
CG 3787 B2RF	827	39.0	83.1	1.12	29.5	4.4
DP 1639 B2XF	826	38.9	83.6	1.11	32.1	4.5
NG 5007 B2XF	826	38.5	82.7	1.13	28.9	4.3
ST 6448GLB2	820	37.0	82.6	1.16	29.9	4.4
GA 2010019	802	37.1	82.7	1.13	31.1	4.2
DP 1553 B2XF	795	39.0	83.2	1.15	30.1	4.4
GA 230	780	35.9	83.4	1.21	32.2	4.4
ST 5115GLT	772	37.5	81.6	1.09	31.0	4.2
GA 2009037	768	37.0	82.3	1.13	30.8	4.5
PHY 333 WRF	756	39.4	82.7	1.12	30.0	4.3
BRS 293	706	35.9	82.6	1.10	33.0	4.5
Average	818	38.4	82.9	1.13	30.9	4.3
LSD at 10% Level	58	0.3	0.6	0.02	0.7	0.1
CV %	16.4	1.9	1.1	2.50	3.6	4.2

1. Athens, Midville, Plains, and Tifton.
Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

TOBACCO

Tifton, Georgia: Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2016

Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
NC 196	3377	4771	142	71	23	43.9	62	2.00	16.4	8.20
CC 35	3325	3878	117	60	23	48.3	66	2.15	13.8	6.43
PVH 2110	3191	4698	145	74	25	44.7	64	1.98	16.8	8.47
CC 37	3155	3852	122	61	23	42.1	63	2.18	15.5	7.14
PVH 1452	3107	3855	124	63	22	43.2	62	2.62	11.9	4.54
GF 318	3088	3634	118	60	22	42.9	62	2.20	15.5	7.06
NC 940	3056	3988	130	66	23	39.3	62	2.11	16.2	7.68
GL 398	3036	3950	130	66	26	46.5	67	2.13	16.1	7.55
CC 143	3008	4474	148	76	23	42.2	63	2.11	16.4	7.79
NC 938	2996	3977	134	68	22	42.3	62	1.86	17.4	9.34
GL 395	2973	4338	146	73	21	42.3	62	2.32	12.5	5.39
PVH 1600	2953	4054	137	70	23	42.5	62	2.60	14.1	5.45
GL 394	2862	3356	117	60	23	44.6	63	2.30	14.1	6.14
NC 925	2822	3409	121	61	22	40.4	62	2.31	16.7	7.26
CC 13	2806	3685	132	66	22	42.0	62	1.87	16.4	8.77
PVH 1118	2806	3658	130	66	22	43.3	62	2.61	14.6	5.59
NC 71	2798	3309	117	59	22	39.1	64	2.62	13.6	5.19
CC 1063	2782	3508	126	63	22	41.1	62	2.05	12.6	6.17
K 346	2770	3245	117	59	21	40.3	62	2.12	14.8	6.97
NC 606	2711	3465	128	66	22	41.7	62	2.03	14.2	6.97
CC 27	2707	3487	129	65	23	42.2	62	2.02	16.8	8.30
PVH 1015	2620	3199	123	63	23	42.9	62	2.12	17.2	8.12
SP 225	2588	3139	121	60	21	41.9	62	2.11	13.0	6.17
NC 72	2584	3214	124	62	23	43.5	64	2.25	15.1	6.70
PVH 1920	2584	4288	166	82	23	41.0	62	2.31	13.9	6.03
PVH 2254	2572	3653	143	73	22	45.0	62	1.90	16.9	8.91
K 730	2525	3486	138	70	23	41.4	62	1.96	16.4	8.39
PVH 2310	2521	3664	145	74	22	42.9	62	2.42	9.4	3.90
NC 95	2378	3571	150	77	21	42.1	64	2.53	14.2	5.62
K 326	2327	3462	149	77	22	38.9	65	2.22	15.6	6.99
CC 700	2247	2731	122	61	21	37.9	62	2.72	14.0	5.17
PVH 2275	2081	2910	140	70	23	43.4	64	2.84	12.3	4.33
LSD at 0.05	635.9	1153.6	27.2	14.3						

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 - the higher the number, the higher the grade.

Researched by S. LaHue 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, 2014, 2015, and 2016

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 2014, 2015 and 2016										
NC 196	3126	4386	143	71	23	47.3	73	1.99	17.5	8.80
NC 938	3118	4222	137	69	22	45.3	75	1.89	17.1	9.07
GF 318	3086	4051	134	67	22	43.6	70	2.16	17.7	8.23
CC 143	3019	4694	154	78	23	46.1	72	1.83	17.6	9.73
PVH 2110	3004	4602	154	77	24	46.7	73	2.05	17.7	8.63
GL 398	3000	3954	133	67	23	46.4	72	2.06	17.7	8.68
CC 1063	2978	4550	153	75	22	45.3	71	2.12	15.4	7.32
CC 13	2936	4214	145	73	22	44.4	69	2.01	17.0	8.57
CC 27	2925	4205	145	73	22	43.7	68	2.15	17.7	8.30
PVH 1452	2921	4297	149	74	22	45.2	70	2.18	15.4	7.37
GL 395	2871	4239	150	75	21	44.8	69	2.31	15.2	6.70
PVH 2254	2853	4205	147	74	22	47.9	73	1.77	18.6	10.57
CC 35	2843	3753	135	67	22	49.4	71	2.13	15.8	7.51
CC 37	2836	3925	139	68	22	44.3	73	1.94	17.5	9.35
NC 925	2813	3545	126	64	22	42.9	72	2.16	17.2	8.05
NC 72	2767	3696	135	67	23	46.2	74	2.02	16.6	8.34
K 346	2737	3762	140	69	20	40.7	67	2.09	17.1	8.24
Sp 225	2733	3849	141	70	21	45.6	71	2.10	15.8	7.61
NC 71	2684	3730	139	70	22	41.7	76	2.27	16.9	7.68
PVH 2275	2678	4139	154	76	22	45.6	70	2.77	14.1	5.14
PVH 2310	2640	4384	166	82	22	47.1	73	2.23	12.2	5.54
CC 700	2620	3714	143	71	21	41.5	69	2.30	15.4	6.87
K 326	2500	3848	154	78	22	42.2	74	2.10	16.7	8.14
NC 95	2367	3472	146	75	22	46.7	74	2.19	16.9	7.90

Tifton, Georgia:
Three and Two -Year Averages of Official Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2014, 2015, and 2016 (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 2015-2016										
NC 196	2994	4501	153	77	23	47.4	68	2.00	17.2	8.61
NC 938	2925	4199	144	73	23	47.9	69	1.83	17.1	9.33
PVH 1452	2823	4201	151	75	23	46.0	65	2.23	14.5	6.92
GF 318	2794	3896	142	71	23	45.9	64	2.13	16.8	7.95
CC 37	2793	3855	140	70	23	46.6	69	1.84	17.0	9.67
GL 398	2777	3805	139	70	25	49.0	72	2.16	16.7	7.75
CC 143	2763	4513	158	80	24	47.2	68	1.92	17.1	9.05
PVH 2110	2746	4292	157	79	25	48.6	68	1.98	17.7	8.94
CC 35	2745	3641	138	70	23	52.1	71	2.03	15.4	7.66
CC 1063	2735	4069	149	73	23	46.3	68	1.99	15.0	7.59
CC 13	2715	4046	150	75	23	45.3	65	1.86	17.0	9.12
CC 27	2701	4100	152	76	22	45.0	64	1.98	17.2	8.71
NC 925	2666	3443	129	65	23	45.7	67	2.10	17.2	8.28
NC 71	2662	3318	125	63	23	42.9	70	2.25	15.8	7.39
GL 395	2607	4026	156	78	22	46.3	65	2.14	14.8	7.05
PVH 2254	2605	3723	144	74	23	49.9	68	1.72	17.9	10.54
NC 72	2572	3746	145	73	23	47.5	69	1.95	15.6	8.24
K 346	2561	3723	148	73	20	41.6	63	2.05	17.1	8.39
Sp 225	2552	3570	141	71	22	46.6	67	1.99	15.5	7.89
NC 606	2517	3759	151	76	22	47.6	67	1.94	17.0	8.85
K 326	2410	3536	147	75	22	43.4	69	1.97	16.4	8.55
PVH 2310	2377	3877	164	82	22	47.5	69	2.31	10.3	4.47
K 730	2335	3440	148	75	23	43.7	65	2.15	16.0	7.51
NC 95	2327	3198	137	71	22	47.3	69	2.26	16.5	7.50
PVH 2275	2307	3665	157	78	22	46.7	66	2.84	13.0	4.59
CC 700	2286	3401	149	73	21	42.5	64	2.32	15.2	6.85

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 - the higher the number, the higher the grade.

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

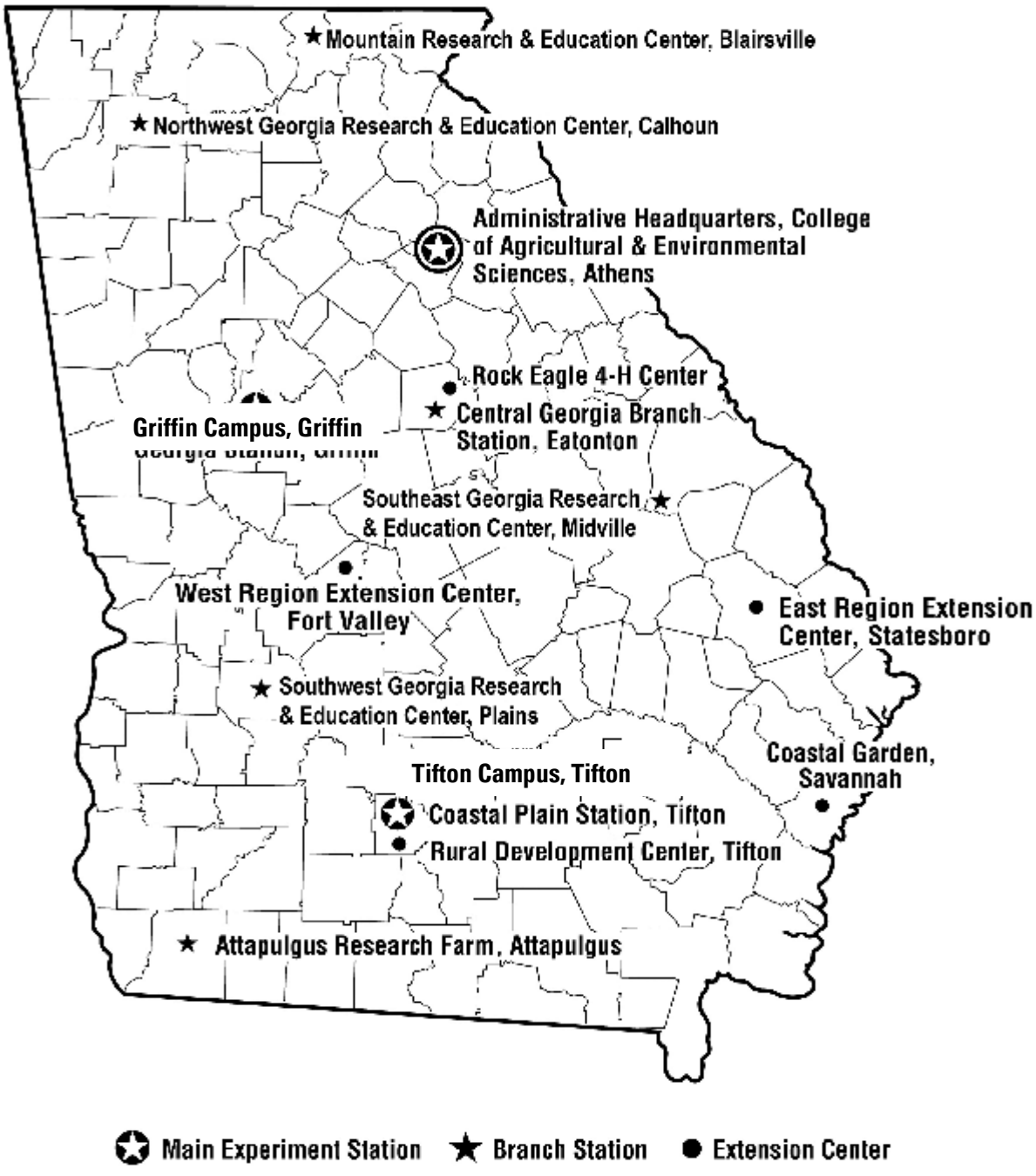
Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test - Comparison of Varieties for Certain Characteristics, 2016

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		%	%	
CU 206	2826	3466	123	63	20	42.3	64	2.12	16.9	7.99
CU 220	2786	3925	141	73	22	40.7	66	2.03	14.6	7.19
NC EX 73	2782	3828	137	71	24	45.4	73	1.91	12.1	6.32
CU 218	2776	3827	139	71	21	41.1	78	1.88	16.4	8.72
GL EX 365	2757	3735	136	70	25	44.3	77	2.19	15.4	7.05
CU 213	2743	3992	145	74	22	43.7	67	2.47	13.4	5.42
NC EX 78	2707	3761	139	72	21	44.3	74	1.83	12.7	6.95
NC EX 79	2691	3222	121	63	22	39.8	67	2.46	12.9	5.22
ULT 115	2642	3753	142	73	24	45.4	77	1.92	14.5	7.54
CU 214	2564	3296	128	67	22	44.9	68	2.11	15.2	7.20
XHN 65	2552	3651	144	73	21	41.6	74	1.94	17.0	8.79
K 326	2493	3241	130	67	21	39.6	71	1.90	14.4	7.58
XHN 58	2445	3283	135	69	21	39.8	78	1.69	17.4	10.26
NC 95	2432	3313	136	70	18	41.4	65	3.10	13.6	4.38
CU 219	2402	3485	144	73	22	42.3	78	2.46	13.3	5.40
ULT 123	2358	3086	130	68	23	43.3	78	1.36	14.4	10.59
LSD at 0.05	406.9	724.3	16.1	7.3						

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 - the higher the number, the higher the grade.

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