The Georgia Agricultural Experiment Stations
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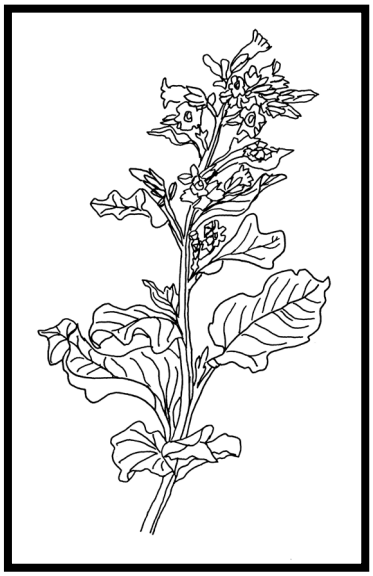
GEORGIA
2018 Peanut, Cotton, and Tobacco Performance Tests

Daniel J. Mailhot, 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

ACKNOWLEDGMENT

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PREFACE

This research report presents the results of the 2018 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 the back cover.

Agronomic information such as grade, fiber data, plant height, 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 2018, HVI (High Volume Instrument) 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 2019 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 University of Georgia Agricultural Experiment Stations. 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 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 2018 Corn Performance Tests (Annual Publication 101-10), 2017-2018 Small Grains Performance Tests (Annual Publication 100-10), and 2018 Soybean, Sorghum Grain and Silage, and Summer Annual Forage Performance Tests (Annual Publication 103-10),

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 Daniel Mailhot, Crop and Soil Sciences Department, University of Georgia, Griffin Campus, 1109 Experiment St., Griffin, GA 30223-1797.

Cooperators

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Contributors

The following individuals contributed to the gathering of data and to the preparation of this report:

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CONTENTS

2018 PEANUT, COTTON, AND TOBACCO PERFORMANCE TESTS

Daniel J. Mailhot, Dustin G. Dunn, Henry Jordan Jr.,
Stevan S. LaHue, Editors

The Season

2018 was a difficult year for many. In early October, Hurricane Michael entered southwest Georgia and moved northeast across our state. Damage was severe, impacting crops, farm infrastructure, and many homes. The impacts of the storm will be felt for years to come. Like many, we were surprised by the rapid intensification of the storm shortly before its arrival.

While we did not lose any peanut tests from the storm, varieties intended for harvest later in the fall were damaged, and had to be dug as soon as the soil dried. As a result, later maturing varieties probably failed to reach their full yield potential.

Cotton was more severely impacted. We were fortunate to harvest the Bainbridge and Tifton irrigated tests the two days before the storm arrived. The tests at Plains incurred damage, but weathered the storm better than expected since defoliation had not yet occurred. However, earlier-maturing varieties had more open bolls, and as a result their yields are lower than at Bainbridge and Tifton. The Tifton dryland and all Midville tests had been defoliated, but couldn't be harvested in time. They were complete losses.

We look forward to the 2019 cropping season with a cautious optimism and hopes for good weather.

Daniel J. Mailhot, PhD is the program director of the statewide variety testing program, 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 a research professional III and an agricultural specialist, respectively, in the Department of Crop and Soil Sciences, Tifton campus, Tifton, Georgia 31793-5766.

PEANUT

Multi-Year Summary of Peanut Varieties, 2017-2018

Variety[1]	Irrigated		Dryland		All Tests	
	2018	2-yr Avg	2018	2-yr Avg	2018	2-yr Avg
	lb/acre					
Runner Types						
FloRun™ '331'	**6260**	**6096**	**4467**	**4849**	**5363**	**5473**
Georgia-18RU	**6193**	**5973**	**4479**	**4620**	**5336**	**5297**
GA 122706	5985	**5834**	**4362**	**4618**	**5174**	5226
Georgia-12Y	5931	**5872**	**4344**	**4785**	**5137**	**5329**
Georgia-06G	5917	**5855**	**4293**	**4775**	5105	**5315**
Georgia-13M	5830	5675	**4374**	**4732**	5102	5204
Georgia-07W	5848	5176	4177	4154	5012	4665
Georgia-09B	5917	**5836**	4023	4511	4970	5173
Georgia-16HO	5673	**5880**	**4215**	**4604**	4944	5242
Georgia-14N	5433	5211	**4338**	4272	4885	4741
TifNV-High O/L	5447	5510	**4287**	4401	4867	4955
GA 132705	5574	5536	4106	4445	4840	4990
TUFRunner™ '297'	5489	5769	4070	4542	4780	5156
GA 132712	5413	5367	4132	4163	4772	4765
Georgia Greener	5522	5603	3983	4429	4752	5016
GA 142728	5266	.	4068	.	4667	.
Tifguard	5286	5173	4033	4077	4660	4625
ACI 3321	5249	.	3739	.	4494	.
TUFRunner™ '511'	5017	5013	3864	4126	4441	4570
AU-NPL 17	5100	5335	3636	4320	4368	4827
Average	5618	5595	4149	4468	4884	5032
LSD at 10% Level	263	273	283	246	237	213
CV %	8.5	12.6	12.4	14.2	12.5	15.4
Virginia Types						
GA 132724	**5754**	**5557**	**4669**	**4851**	**5211**	**5204**
Georgia-11J	**5929**	**5700**	4138	4394	**5034**	**5047**
Florida Fancy	5512	**5611**	3666	4210	4589	4910
Bailey II	4898	.	3602	.	4250	.
Bailey	4600	4828	3614	3546	4107	4187
GA 142528	4378	.	3596	.	3987	.
Sullivan	4410	.	3285	.	3848	.
Average	5069	5424	3796	4250	4432	4837
LSD at 10% Level	308	272	291	275	283	227
CV %	11	13	14	17	16	17

1. Variety names preceded by "GA" are unreleased Georgia breeding lines.
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Tifton, Georgia:
Peanut Yield and Grade Performance, 2018, Irrigated

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Spanish Types							
Georgia-17SP	10/15	**4550**	66.5	9.0	0.0	.	1036
Georgia Browne	10/15	**4338**	62.0	12.0	1.0	.	1304
Georgia-04S	10/15	3860	62.0	13.5	0.0	.	1294
Tamnut OL06	09/21	3146	68.0	6.0	0.0	.	1162
Schubert	09/21	2983	63.0	9.5	0.5	.	1364
Tamspan 90	09/21	2880	67.5	6.0	0.5	.	1364
OLe'	09/10	2644	64.5	8.5	0.5	.	1346
OLin	09/21	2589	57.0	16.5	0.5	.	1476
Average		3374	63.8	10.1	0.4	.	1293
LSD at 10% Level		250	NS	NS	NS	.	71
CV %		7.6	8.2	39.9	-	.	2.9
Valencia Types							
GA 142537	09/21	**3654**	64.0	8.5	1.0	.	726
Georgia Valencia	09/21	3267	63.5	7.5	1.0	.	844
Georgia Red	09/21	2650	65.5	8.5	0.5	.	1054
TAM Val. OL 14	09/10	2577	62.0	14.0	0.5	.	1233
NuMex-01	09/10	2245	66.5	9.0	0.0	.	1275
Val. McRan	09/10	2160	60.5	12.0	0.5	.	1261
H & W Val. 118	09/10	1954	67.0	7.0	1.0	.	1249
N. M. Val. C	09/10	2148	66.0	10.5	0.5	.	1196
N. M. Val. A	09/10	2093	63.0	10.0	0.0	.	1247
H & W Val. 136	09/10	2069	61.0	10.5	1.5	.	1342
Average		2482	63.9	9.8	0.7	.	1143
LSD at 10% Level		241	NS	NS	NS	.	104
CV %		10.0	10.1	45.9	-	.	5.0

1. Variety names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: June 6, 2018.
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 gypsum/acre.
Soil Test: P = Very High, K = High, and pH = 5.8.
Soil Type: Tifton loamy sand.
Previous Crop: Corn.
Management: Conventional tillage; Sonalan used for weed control; Tebuconazole, Chlorothalonil, and Fontelis used for fungal control.

	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.5	0.0	0.5	2.0	0.0
Rainfall (in):	4.4	5.8	8.5	2.6	3.2

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Tifton, Georgia: Peanut Yield and Grade Performance, 2018, Irrigated

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-06G	10/19	**6183**	77.0	2.5	1.0	.	711
GA 122706	10/25	**6171**	78.0	2.0	1.5	.	782
Georgia-12Y	10/25	**6159**	72.0	3.5	1.0	.	792
Georgia-18RU	10/25	**6068**	77.5	2.0	1.0	.	764
Georgia Greener	10/19	**6014**	76.5	3.0	1.5	.	780
Georgia-16HO	10/19	**6002**	75.0	2.5	1.0	.	735
FloRun™ '331'	10/19	**5935**	75.0	3.5	1.0	.	776
Georgia-13M	10/25	**5929**	77.5	2.0	1.0	.	937
TUFRunner™ '297'	10/19	5838	77.0	2.0	1.0	.	644
Georgia-09B	10/19	5832	76.5	2.0	1.0	.	803
GA 132712	10/25	5784	76.5	3.0	0.5	.	689
GA 142728	10/19	5729	78.5	2.5	1.0	.	742
Tifguard	10/19	5663	76.5	2.0	1.0	.	662
TifNV-High O/L	10/19	5590	73.0	3.0	2.0	.	692
Georgia-07W	10/25	5469	76.5	1.5	1.0	.	696
TUFRunner™ '511'	10/25	5463	74.5	2.5	1.0	.	661
GA 132705	10/25	5433	76.5	2.0	1.0	.	778
ACI 3321	10/19	5372	72.0	3.0	1.0	.	686
AU-NPL 17	10/19	5082	70.0	3.5	1.5	.	763
Georgia-14N	10/25	4997	76.0	2.5	1.0	.	827
Average		5736	75.6	2.5	1.1	.	746
LSD at 10% Level		313	2.4	NS	NS	.	54
C.V. %		5.7	1.9	38.8	-	.	4.2
Virginia Types							
GA 132724	10/19	**5784**	77.0	2.0	1.0	59.0	562
Florida Fancy	10/19	**5578**	75.5	2.0	1.0	51.0	628
Georgia-11J	10/25	5058	71.5	3.5	1.5	56.5	385
Bailey II	09/26	5052	73.0	2.0	0.5	41.0	598
Bailey	09/26	4792	71.5	3.0	1.0	35.0	569
GA 142528	09/26	4489	74.0	2.0	1.0	43.5	635
Sullivan	09/26	4265	71.0	2.5	1.0	41.5	639
Average		5002	73.4	2.4	1.0	46.8	573
LSD at 10% Level		246	2.9	NS	NS	9.8	40
CV %		5.0	2.1	27.7	-	10.7	3.6

Tifton, Georgia: Peanut Yield and Grade Performance, 2018, Irrigated (Continued)

1. Names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	June 6, 2018.
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 gypsum/acre.
Soil Test:	P = High, K = High, and pH = 6.3.
Soil Type:	Tifton loamy sand.
Previous Crop:	Corn.
Management:	Conventional tillage; Sonalan used for weed control; Tebuconazole, Chlorothalonit, and Fontelis used for fungal control.

	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.5	0.0	0.5	2.0	0.0
Rainfall (in):	4.4	5.8	8.5	2.6	3.2

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Tifton, Georgia: Peanut Yield and Grade Performance, 2018, Dryland

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
TifNV-High O/L	10/15	**5687**	73.5	3.0	0.5	.	764
Tifguard	10/15	**5639**	74.5	3.0	0.5	.	824
Georgia-18RU	10/15	**5421**	78.0	1.5	0.5	.	781
Georgia-06G	10/15	**5403**	77.5	2.0	0.5	.	683
Georgia-14N	10/15	**5360**	76.5	2.5	1.0	.	842
Georgia-16HO	10/15	**5330**	75.5	2.5	1.0	.	731
GA 122706	10/15	**5270**	76.0	3.0	2.0	.	828
TUFRunner™ '297'	10/15	5100	76.0	2.0	0.5	.	663
Georgia-12Y	10/15	5003	69.0	4.0	2.0	.	828
GA 132712	10/15	4949	77.5	2.5	0.5	.	773
Georgia Greener	10/15	4949	77.5	2.5	0.5	.	811
GA 142728	10/15	4773	78.5	1.5	0.5	.	771
TUFRunner™ '511'	10/15	4737	73.5	3.0	1.5	.	709
GA 132705	10/15	4719	75.0	3.0	0.5	.	814
FloRun™ '331'	10/15	4574	75.0	2.5	0.0	.	882
Georgia-07W	10/15	4538	74.0	2.0	1.0	.	802
Georgia-09B	10/15	4525	76.0	1.5	1.0	.	798
Georgia-13M	10/15	4483	75.0	2.5	2.0	.	905
ACI 3321	10/15	4308	72.5	3.0	0.5	.	742
AU-NPL 17	10/15	4308	70.5	3.0	1.5	.	805
Average		4954	75.1	2.5	0.9	.	788
LSD at 10% Level		468	3.7	NS	NS	.	NS
C.V. %		9.9	2.9	41.1	-	.	8.7
Virginia Types							
GA 132724	10/15	**5911**	76.5	2.0	1.0	54.5	562
Florida Fancy	10/15	5022	72.0	2.5	2.5	37.0	628
Bailey	09/26	4550	72.5	2.0	1.0	38.0	600
Georgia-11J	10/15	4525	71.0	1.5	2.0	56.0	478
GA 142528	09/26	4392	73.0	2.0	2.0	44.0	609
Bailey II	09/26	4374	74.0	1.0	0.0	43.5	581
Sullivan	09/26	3939	72.0	2.5	0.5	38.0	631
Average		4673	73.0	1.9	1.3	44.4	584
LSD at 10% Level		447	2.6	0.7	1.3	5.5	75
CV %		9.8	1.8	19.6	-	6.4	6.6

Tifton, Georgia:
Peanut Yield and Grade Performance, 2018,
Dryland (Continued)

1. Names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	June 5, 2018.				
Seeding Rate:	6 seed/row foot in 36" rows.				
Fertilization:	0 lb N, 0 lb P_2O_5, and 0 lb K_2O/acre.				
Soil Test:	P = Very High, K = High, and pH = 5.7.				
Soil Type:	Tifton loamy sand.				
Previous Crop:	Corn.				
Management:	Conventional tillage; Sonalan used for weed control; Tebuconazole, Chlorothalonilm and Fontelis used for fungal control.				
	June	July	Aug.	Sept.	Oct.
Rainfall (in):	4.4	5.8	8.5	2.6	3.2

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Plains, Georgia: Peanut Yield and Grade Performance, 2018, Irrigated

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
FloRun™ '331'	10/17	**5790**	74.5	3.0	1.0	.	744
Georgia-07W	10/25	**5705**	75.0	2.5	1.0	.	723
Georgia-18RU	10/25	**5651**	78.5	1.5	1.0	.	770
Georgia-13M	10/25	**5566**	76.5	3.0	0.5	.	899
Georgia-14N	10/25	5257	77.5	3.5	0.0	.	722
GA 122706	10/25	5179	80.0	1.5	1.0	.	750
Georgia-09B	10/17	5136	76.0	2.5	1.0	.	728
Georgia-12Y	10/25	5034	74.0	3.0	1.0	.	768
GA 132705	10/25	4985	76.5	2.0	0.5	.	710
Georgia-16HO	10/17	4961	75.0	3.0	1.5	.	750
GA 132712	10/25	4876	78.5	2.5	0.5	.	749
ACI 3321	10/17	4846	70.5	5.0	0.5	.	723
TUFRunner™ '297'	10/17	4743	77.0	1.5	0.5	.	646
Tifguard	10/17	4689	74.5	3.5	0.5	.	656
Georgia-06G	10/17	4646	76.0	2.5	1.0	.	701
AU-NPL 17	10/17	4628	74.5	2.5	0.5	.	694
TUFRunner™ '511'	10/25	4628	78.0	1.0	0.0	.	674
TifNV-High O/L	10/17	4628	76.0	2.0	1.0	.	643
Georgia Greener	10/17	4580	75.5	2.5	1.0	.	769
GA 142728	10/17	4308	76.5	3.0	1.5	.	771
Average		4992	76.0	2.6	0.8	.	729
LSD at 10% Level		440	2.7	1.4	NS	.	59
C.V. %		9.2	2.1	31.5	-	.	4.7
Virginia Types							
Georgia-11J	10/25	**6159**	74.5	0.0	1.0	68.5	361
GA 132724	10/17	4828	77.5	1.5	0.5	51.5	608
Florida Fancy	10/17	4761	76.0	3.0	1.0	39.5	716
Sullivan	09/26	3678	69.0	1.5	0.5	26.5	650
Bailey II	09/26	3364	69.0	2.0	1.0	23.5	641
GA 142528	09/26	3219	70.0	2.5	1.0	24.5	658
Bailey	09/26	3086	69.5	2.0	1.0	19.0	617
Average		4156	72.2	1.8	0.9	36.1	607
LSD at 10% Level		454	2.4	1.3	NS	13.8	146
CV %		11.2	1.7	38.6	-	19.7	12.4

Plains, Georgia:
Peanut Yield and Grade Performance, 2018, Irrigated (Continued)

1. Names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	June 11, 2018.				
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 dolomitic lime/acre.				
Soil Test:	P = High, K = Very High, and pH = 5.8.				
Soil Type:	Greenville sandy clay loam.				
Previous Crop:	Corn.				
Management:	Conventional tillage; Strongarm, Valor, Select, and Sonalan used for weed control; Provost, Bravo, and Folicure used for fungal control.				
	June	July	Aug.	Sept.	Oct.
Irrigation (in):	---------- 6.8 for entire season ----------				
Rainfall (in):	3.9	5.5	4.0	3.2	7.1

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Plains, Georgia:
Peanut Yield and Grade Performance, 2018,
Dryland

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
FloRun™ '331'	10/17	**4574**	72.0	3.5	0.5	.	789
Georgia-13M	10/17	**4320**	72.5	4.0	1.5	.	977
Georgia-07W	10/17	4011	70.5	3.0	3.0	.	749
Georgia-14N	10/17	4011	73.5	4.0	1.5	.	840
Georgia-18RU	10/17	3957	75.5	3.0	1.0	.	805
Georgia-12Y	10/17	3939	69.5	3.5	1.5	.	769
GA 132705	10/17	3872	72.5	3.0	1.5	.	773
Georgia-09B	10/17	3757	74.5	3.0	1.5	.	731
TUFRunner™ '511'	10/17	3703	74.0	2.0	0.5	.	694
ACI 3321	10/17	3666	67.5	5.0	1.0	.	781
TifNV-High O/L	10/17	3642	72.5	2.5	1.5	.	694
GA 132712	10/17	3630	75.0	3.0	1.0	.	814
Georgia-06G	10/17	3600	74.0	2.5	1.0	.	697
TUFRunner™ '297'	10/17	3563	71.5	3.0	2.0	.	746
GA 122706	10/17	3539	74.5	3.0	1.5	.	767
Georgia-16HO	10/17	3539	73.0	2.5	2.0	.	786
GA 142728	10/17	3485	74.0	4.0	1.0	.	822
AU-NPL 17	10/17	3328	71.5	3.0	1.0	.	762
Georgia Greener	10/17	3285	74.0	3.5	1.0	.	771
Tifguard	10/17	2904	73.0	2.5	1.0	.	705
Average		3716	72.8	3.2	1.3	.	773
LSD at 10% Level		390	2.8	NS	NS	.	48
C.V. %		10.9	2.2	27.9	-	.	3.6
Virginia Types							
Georgia-11J	10/17	**3957**	71.0	2.5	1.0	44.0	437
GA 132724	10/17	**3654**	72.0	2.5	3.0	38.5	634
Bailey II	09/26	3098	68.0	3.0	0.5	21.5	645
Bailey	09/26	2928	70.5	2.5	0.5	25.0	665
Sullivan	09/26	2825	69.5	1.0	1.0	25.5	648
GA 142528	09/26	2819	67.5	2.5	1.0	22.5	655
Florida Fancy	10/17	2589	70.5	2.5	1.5	34.0	698
Average		3124	69.9	2.4	1.2	30.1	626
LSD at 10% Level		403	NS	NS	1.0	8.9	48
CV %		13.2	2.5	27.0	-	15.2	3.5

Plains, Georgia:
Peanut Yield and Grade Performance, 2018,
Dryland (Continued)

1. Names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	June 11, 2018.
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 dolomitic lime/acre.
Soil Test:	P = High, K = Very High, and pH = 5.8.
Soil Type:	Greenville sandy clay loam.
Previous Crop:	Corn.
Management:	Conventional tillage; Strongarm, Valor, Select, and Sonalan used for weed control; Provost, Bravo, and Folicur used for fungal control.

	June	July	Aug.	Sept.	Oct.
Rainfall (in):	3.9	5.5	4.0	3.2	7.1

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Midville, Georgia: Peanut Yield and Grade Performance, 2018, Irrigated

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
FloRun™ '331'	10/16	**7054**	77.5	1.5	0.0	.	800
Georgia-06G	10/16	**6921**	77.5	2.0	0.0	.	673
Georgia-18RU	10/24	**6861**	80.0	1.0	0.0	.	763
Georgia-09B	10/16	**6782**	75.5	3.0	0.0	.	733
GA 122706	10/24	6607	79.5	1.5	0.0	.	703
Georgia-12Y	10/24	6601	74.5	3.0	0.0	.	753
Georgia-07W	10/24	6371	78.5	2.0	0.0	.	711
GA 132705	10/24	6304	78.0	2.0	0.0	.	774
TifNV-High O/L	10/16	6123	75.0	2.5	0.0	.	697
Georgia-16HO	10/16	6056	76.5	3.0	0.0	.	700
Georgia-14N	10/24	6044	79.5	2.0	0.0	.	789
Georgia-13M	10/24	5996	77.5	1.5	0.5	.	872
Georgia Greener	10/16	5971	78.0	2.0	0.0	.	747
TUFRunner™ '297'	10/16	5887	76.5	2.0	0.0	.	666
GA 142728	10/16	5760	79.0	2.5	0.0	.	681
AU-NPL 17	10/16	5590	74.5	2.5	0.0	.	738
GA 132712	10/24	5578	79.0	1.5	0.0	.	725
ACI 3321	10/16	5530	74.5	2.5	0.0	.	696
Tifguard	10/16	5506	76.5	2.0	0.0	.	664
TUFRunner™ '511'	10/24	4961	78.5	1.5	0.0	.	706
Average		6125	77.3	2.1	0.0	.	729
LSD at 10% Level		379	1.6	NS	NS	.	69
C.V. %		6.4	1.2	38.1	-	.	5.4
Virginia Types							
GA 132724	10/16	**6649**	78.0	1.5	0.0	51.0	560
Georgia-11J	10/24	**6570**	77.0	1.0	0.0	61.0	415
Bailey II	09/29	6280	72.5	2.0	0.0	36.5	587
Florida Fancy	10/16	6195	76.0	1.5	0.5	51.0	652
Bailey	09/29	5923	72.5	1.5	0.0	32.5	603
GA 142528	09/29	5427	72.5	2.0	0.5	39.0	609
Sullivan	09/29	5288	71.0	2.5	0.0	33.5	603
Average		6047	74.2	1.7	0.1	43.5	569
LSD at 10% Level		290	1.5	0.7	NS	8.7	103
CV %		4.9	1.1	22.0	-	10.3	8.4

Midville, Georgia: Peanut Yield and Grade Performance, 2018, Irrigated (Continued)

1. Names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	June 7, 2018.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, 0.5 lb Boron, and 1000 lb gypsum/acre.
Soil Test:	P = High, K = High, and pH = 6.1.
Soil Type:	Dothan sandy loam.
Previous Crop:	Cotton.
Management:	Conventional tillage; Pendimethalin, Valor, Gramoxone, Storm, Dual, and Butyrac used for weed control; Tebuconazole, Elatus, and Chlorothalonil used for fungal control; Prevathon used for insect control.

	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.3	2.5	3.5	3.0	0.0
Rainfall (in):	3.7	5.3	3.0	0.7	4.2

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Midville, Georgia:
Peanut Yield and Grade Performance, 2018,
Dryland

Variety[1]	Digging Date	Yield	TSMK	OK	DK	ELK	Seed
		lb/A	%	%	%	%	no./lb
Runner Types							
Georgia-13M	10/16	**4320**	74.0	4.0	0.5	.	916
GA 122706	10/16	**4277**	77.0	1.5	0.5	.	742
FloRun™ '331'	10/16	**4253**	73.0	3.0	0.5	.	745
Georgia-12Y	10/16	**4090**	74.0	0.5	0.5	.	789
Georgia-18RU	10/16	**4060**	76.0	1.5	0.5	.	714
Georgia-07W	10/16	3981	74.0	3.0	0.5	.	749
GA 142728	10/16	3945	75.5	3.0	0.5	.	736
Georgia-06G	10/16	3878	74.0	1.5	1.0	.	718
GA 132712	10/16	3818	76.5	2.5	0.0	.	770
Georgia-09B	10/16	3787	75.0	1.5	1.0	.	775
Georgia-16HO	10/16	3775	73.5	2.5	0.0	.	729
GA 132705	10/16	3727	75.5	2.0	0.5	.	760
Georgia Greener	10/16	3715	74.0	2.5	0.5	.	761
Georgia-14N	10/16	3642	78.0	2.5	0.0	.	787
Tifguard	10/16	3557	75.0	2.5	0.0	.	708
TUFRunner™ '297'	10/16	3545	74.0	3.0	1.0	.	683
TifNV-High O/L	10/16	3533	74.5	1.5	1.0	.	685
AU-NPL 17	10/16	3273	74.5	1.5	0.0	.	714
ACI 3321	10/16	3243	70.5	2.5	0.5	.	746
TUFRunner™ '511'	10/16	3152	73.5	4.0	0.0	.	762
Average		3779	74.6	2.3	0.5	.	749
LSD at 10% Level		329	1.7	1.0	0.9	.	68
C.V. %		9.1	1.3	24.7	-	.	5.3
Virginia Types							
GA 132724	10/16	**4441**	75.0	1.0	1.5	35.0	642
Georgia-11J	10/16	3933	73.5	2.5	0.0	39.5	559
GA 142528	09/29	3576	70.5	2.0	0.0	23.5	630
Florida Fancy	10/16	3388	73.5	2.0	1.0	27.0	682
Bailey	09/29	3364	72.0	1.5	0.5	28.0	571
Bailey II	09/29	3334	71.0	0.5	0.5	27.5	599
Sullivan	09/29	3092	70.0	1.0	1.0	34.5	567
Average		3589	72.2	1.5	0.6	30.7	607
LSD at 10% Level		488	1.9	1.0	0.7	NS	70
CV %		13.9	1.0	35.6	-	17.4	5.9

Midville, Georgia: Peanut Yield and Grade Performance, 2018, Dryland (Continued)

1. Names preceded by "GA" are unreleased Georgia breeding lines.
"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	June 7, 2018.
Seeding Rate:	6 seed/row foot in 36" rows.
Fertilization:	0 lb N, 0 lb P_2O_5, 0 lb K_2O, 0.5 lb Boron, and 1000 lb gypsum/acre.
Soil Test:	P = Very High, K = High, and pH = 6.0.
Soil Type:	Dothan sandy loam.
Previous Crop:	Cotton.
Management:	Conventional tillage; Pendimethalin, Valor, Gramoxone, Storm, Dual, and Butyrac used for weed control; Tebuconazole, Elatus, and Chlorothalonil used for fungal control.

	June	July	Aug.	Sept.	Oct.
Rainfall (in):	3.7	5.3	3.0	0.7	4.2

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

COTTON

Multi-Year Summary of Cotton Varieties, 2017-2018

	Irrigated		Dryland		All Tests	
Variety	2018	2-yr Avg	2018	2-yr Avg	2018	2-yr Avg
	----------lb/acre----------					
Tested as Earlier Maturity in 2017						
DG 3385 B2XF	1114	**1317**	1135	**1293**	1122	**1306**
DG 3526 B2XF	1186	**1400**	1101	**1219**	1152	**1317**
GA 2011113	1183	**1398**	1102	**1320**	1151	**1364**
NG 3522 B2XF	1142	**1359**	1058	**1231**	1108	**1300**
SSG HQ 210 CT	940	1258	1047	**1157**	985	1211
SSG UA 222	1049	1266	1070	**1206**	1058	1238
Average	Descriptive	1334	Descriptive	1237	Descriptive	1289
LSD at 10% Level	statistics	110	statistics	NS	statistics	81
CV %	below	18.6	below	19.4	below	19.2
Tested as Later Maturity in 2017						
CROPLAN 9178 B3XF	1165	**1165**	1159	1159	1163	**1163**
CROPLAN 9608 B3XF	**1217**	**1350**	1156	1218	1193	**1289**
DG 3605 B2XF	1045	**1326**	1093	1220	1064	**1277**
DP 1538 B2XF	**1261**	**1384**	1066	1254	1183	**1324**
DP 1555 B2RF	1095	**1355**	1225	**1384**	1147	**1368**
DP 1646 B2XF	1210	**1455**	1227	**1317**	1217	**1391**
DP 1747NR B2XF	**1310**	**1380**	1080	1159	1218	**1278**
GA 2011113	1183	**1390**	1102	**1286**	1151	**1341**
GA 2013114	1149	**1311**	1170	1230	1157	**1273**
NG 5007 B2XF	**1271**	**1384**	1057	1203	1185	**1300**
PHY 300 W3FE	1125	**1295**	**1433**	**1365**	**1248**	**1327**
PHY 330 W3FE	1155	**1327**	**1295**	**1302**	1211	**1315**
PHY 340 W3FE	1206	**1375**	**1352**	**1341**	**1264**	**1360**
PHY 444 WRF	1177	**1342**	**1334**	**1397**	**1239**	**1368**
PX3A82W3FE	1122	**1345**	**1315**	**1278**	1199	**1314**
PX5B73W3FE	1211	**1322**	1248	**1273**	1226	**1300**
ST 4949GLT	1029	**1280**	1224	**1316**	1107	**1297**
ST 5020GLT	1095	**1281**	1070	1174	1085	**1232**
ST 5517GLTP	952	**1205**	1142	**1310**	1022	**1252**
ST 6182GLT	**1250**	**1405**	1130	**1365**	1202	1386
Average	Descriptive	1339	Descriptive	1282	Descriptive	1312
LSD at 10% Level	statistics	NS	statistics	131	statistics	NS
CV %	below	19.9	below	20.5	below	20.5
New for 2018						
AMX 1801 B3XF	1055	.	889	.	994	.
AMX 1817 B3XF	1132	.	1143	.	1136	.
BX 1973GLTP	**1236**	.	1200	.	1221	.
BX 1974GLTP	1164	.	1158	.	1161	.
BX 1975GLTP	1125	.	1129	.	1126	.

Multi-Year Summary of Cotton Varieties, 2017-2018 (Continued)

Variety	Irrigated		Dryland		All Tests	
	2018	2-yr Avg	2018	2-yr Avg	2018	2-yr Avg
	----------lb/acre----------					
New for 2018 - continued						
BX 1976GLTP	1205	.	**1332**	.	**1256**	.
CPS 18506-D B3XF	1116	.	1058	.	1091	.
CPS 18507-D B3XF	**1219**	.	1059	.	1151	.
CPS 1853 B3XF	1203	.	1068	.	1149	.
CROPLAN 3885 B2XF	1168	.	1071	.	1129	.
DG 1702 GLT	1109	.	1146	.	1124	.
DG 3560 B2XF	1187	.	**1299**	.	**1232**	.
DG 3615 B3XF	**1362**	.	**1323**	.	**1346**	.
DP 1820 B3XF	1164	.	1212	.	1184	.
DP 1835 B3XF	1127	.	1041	.	1092	.
DP 1840 B3XF	1189	.	1064	.	1139	.
DP 1851 B3XF	1144	.	1122	.	1135	.
GA 2015007	**1243**	.	1097	.	1182	.
GA 2015072	1104	.	1181	.	1135	.
GA 2015088	1111	.	1122	.	1115	.
GA 2015092	955	.	1021	.	981	.
NG 3699 B2XF	903	.	1026	.	955	.
NG 3729 B2XF	1086	.	1142	.	1108	.
NG 3780 B2XF	1026	.	1007	.	1018	.
NG 4689 B2XF	1139	.	**1330**	.	1215	.
NG 4777 B2XF	982	.	1005	.	991	.
NG 5711 B3XF	**1292**	.	1162	.	**1240**	.
PCG 713	955	.	1077	.	1004	.
PHY 350 W3FE	1131	.	**1312**	.	1204	.
PHY 430 W3FE	**1276**	.	**1295**	.	**1283**	.
PHY 440 W3FE	1119	.	1095	.	1109	.
PHY 480 W3FE	1130	.	1220	.	1166	.
PX3B07W3FE	**1310**	.	**1389**	.	**1342**	.
PX3B09W3FE	**1232**	.	1236	.	**1234**	.
PX3C06W3FE	**1340**	.	**1288**	.	**1318**	.
PX4A64W3FE	1203	.	**1275**	.	**1232**	.
PX4A69W3FE	**1318**	.	**1348**	.	**1330**	.
PX5C09W3FE	**1337**	.	**1334**	.	**1336**	.
PX5D28BW3FE	**1260**	.	1184	.	**1230**	.
SSG UA 114	1046	.	1045	.	1046	.
ST 5122GLT	946	.	948	.	947	.
ST 5471GLTP	1104	.	1219	.	1150	.
ST 5818GLT	1100	.	1124	.	1109	.
WinField United 18XC9	983	.	1078	.	1021	.
Average	1148	-	1162	-	1154	-
LSD at 10% Level	148	-	177	-	120	-
CV %	19.1	-	18.4	-	19.9	-

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Yield Summary of Cotton Varieties, 2018, Irrigated

Variety	Lint Yield				Lint[1]	Fiber Quality[2]				
	Bainbridge	Tifton	Plains	3-Loc		Length	Uniformity	Strength	Micronaire	Yellowness[3]
	----------lb/acre----------				%	inches	%	g/tex	units	grade
DG 3615 B3XF	**1197**	**1644**	1244	**1362**	44.0	1.15	82.8	30.8	4.3	8.5
PX3C06W3FE	**1308**	**1439**	1298	**1340**	41.3	1.15	82.6	29.7	4.3	7.3
PX5C09W3FE	**1367**	1148	**1497**	**1337**	42.4	1.17	83.4	31.6	4.2	8.0
PX4A69W3FE	**1189**	**1448**	**1315**	**1318**	42.7	1.19	84.0	32.3	3.8	8.4
DP 1747NR B2XF	**1115**	1349	**1468**	**1310**	43.3	1.16	83.4	32.5	4.6	8.7
PX3B07W3FE	**1281**	1361	1290	**1310**	41.9	1.19	83.3	33.1	3.8	8.0
NG 5711 B3XF	**1184**	1308	**1384**	**1292**	42.3	1.19	82.9	31.9	4.2	8.0
PHY 430 W3FE	**1311**	1288	1228	**1276**	42.2	1.13	83.6	31.7	4.1	8.7
NG 5007 B2XF	**1190**	1430	1192	**1271**	42.7	1.16	83.2	29.1	4.3	7.9
DP 1538 B2XF	**1205**	1309	1270	**1261**	42.9	1.12	83.2	29.2	4.4	8.1
PX5D28BW3FE	**1140**	1339	**1301**	**1260**	42.6	1.16	84.2	33.2	4.0	8.0
ST 6182GLT	**1276**	1367	1108	**1250**	45.1	1.15	83.3	29.9	4.3	7.9
GA 2015007	896	**1501**	**1397**	**1243**	39.9	1.23	83.9	32.2	4.0	7.8
BX 1973GLTP	**1219**	1392	1135	**1236**	43.5	1.15	83.7	32.3	4.2	8.2
PX3B09W3FE	1003	1244	**1451**	**1232**	41.3	1.17	82.6	32.1	3.7	7.6
CPS 18507-D B3XF	**1268**	1356	1066	**1219**	42.3	1.15	83.7	31.7	4.6	8.2
CROPLAN 9608 B3XF	**1155**	1316	1179	**1217**	44.2	1.17	83.6	30.3	4.1	8.4
PX5B73W3FE	1068	1128	**1437**	1211	40.2	1.16	84.1	32.2	4.0	7.7
DP 1646 B2XF	992	1295	**1343**	1210	43.3	1.24	83.7	29.8	4.0	7.5
PHY 340 W3FE	**1118**	1333	1168	1206	42.2	1.16	83.4	31.3	4.1	8.2
BX 1976GLTP	**1110**	1298	1207	1205	43.0	1.14	83.2	32.2	4.5	8.0
PX4A64W3FE	**1242**	1204	1164	1203	40.8	1.13	83.8	33.3	4.0	8.6
CPS 1853 B3XF	**1190**	1178	1241	1203	44.3	1.19	84.1	33.8	4.2	8.1
DP 1840 B3XF	**1144**	1243	1180	1189	43.2	1.20	83.2	31.8	4.1	7.8
DG 3560 B2XF	991	1275	1296	1187	42.2	1.23	85.0	34.3	4.2	8.3
DG 3526 B2XF	**1115**	1264	1179	1186	43.3	1.15	83.7	29.8	4.3	8.0
GA 2011113	861	**1485**	1204	1183	39.9	1.22	84.1	32.8	4.3	7.7
PHY 444 WRF	**1139**	1352	1039	1177	42.4	1.24	84.7	32.2	3.6	8.1
CROPLAN 3885 B2XF	**1110**	1213	1179	1168	42.8	1.14	83.4	29.8	4.4	8.3
CROPLAN 9178 B3XF	**1136**	1364	995	1165	42.9	1.17	83.7	33.0	4.0	8.4

Yield Summary of Cotton Varieties, 2018, Irrigated (Continued)

Variety	Lint Yield				Lint[1]	Fiber Quality[2]				
	Bainbridge	Tifton	Plains	3-Loc		Length	Uniformity	Strength	Micronaire	Yellowness[3]
	----------lb/acre----------				%	inches	%	g/tex	units	grade
DP 1820 B3XF	996	1195	**1310**	1164	42.9	1.22	84.1	34.0	4.3	7.8
BX 1974GLTP	1025	1434	1032	1164	43.9	1.16	83.9	30.7	4.1	7.8
PHY 330 W3FE	**1145**	1214	1106	1155	41.8	1.15	83.7	31.4	4.0	8.3
GA 2013114	892	**1480**	1074	1149	39.8	1.21	84.3	31.8	4.3	7.7
DP 1851 B3XF	989	1145	1298	1144	42.9	1.20	84.3	33.1	4.0	8.2
NG 3522 B2XF	**1356**	1061	1009	1142	40.8	1.12	82.9	28.4	4.0	8.1
NG 4689 B2XF	906	1268	1244	1139	40.1	1.17	83.4	32.9	4.1	8.4
AMX 1817 B3XF	919	1329	1149	1132	43.2	1.15	83.5	30.5	4.4	8.1
PHY 350 W3FE	1067	1191	1136	1131	39.5	1.16	83.6	31.0	4.0	8.3
PHY 480 W3FE	904	1185	**1303**	1130	40.7	1.15	83.7	31.5	4.1	8.6
DP 1835 B3XF	1069	1105	1206	1127	43.2	1.17	83.3	32.1	4.1	8.2
PHY 300 W3FE	952	1305	1118	1125	42.4	1.16	83.8	31.3	4.2	8.1
BX 1975GLTP	1082	1220	1072	1125	42.9	1.16	83.5	30.3	4.3	8.4
PX3A82W3FE	1073	1142	1152	1122	39.5	1.16	84.2	32.8	4.0	7.9
PHY 440 W3FE	**1100**	1180	1076	1119	42.4	1.21	83.9	34.2	3.8	8.5
CPS 18506-D B3XF	925	1140	1288	1116	41.3	1.17	83.9	31.1	4.0	8.3
DG 3385 B2XF	954	1094	1294	1114	40.7	1.15	84.0	29.7	4.2	8.3
GA 2015088	**1114**	1289	929	1111	41.5	1.25	83.9	34.2	4.4	7.9
DG 1702 GLT	835	1387	1106	1109	40.6	1.14	82.8	31.0	3.8	8.0
GA 2015072	705	1384	1225	1104	40.6	1.16	84.4	32.2	3.8	7.4
ST 5471GLTP	776	1330	1206	1104	40.2	1.16	83.4	31.9	4.0	7.7
ST 5818GLT	900	1267	1132	1100	39.3	1.19	83.2	32.0	3.8	7.5
DP 1555 B2RF	787	1312	1187	1095	42.9	1.16	83.3	32.8	4.2	8.0
ST 5020GLT	**1136**	1352	797	1095	39.8	1.21	84.1	33.3	4.0	7.6
NG 3729 B2XF	1044	1212	1001	1086	40.2	1.19	84.2	31.3	4.5	8.1
AMX 1801 B3XF	824	1108	1233	1055	40.6	1.19	83.9	31.3	3.9	7.1
SSG UA 222	942	1227	979	1049	38.9	1.19	83.6	31.4	4.0	7.8
SSG UA 114	883	1246	1009	1046	38.0	1.16	84.3	32.4	4.3	7.7
DG 3605 B2XF	603	1379	1153	1045	41.8	1.25	83.7	31.6	3.9	7.7
ST 4949GLT	910	1135	1041	1029	42.3	1.12	83.6	29.8	4.2	8.2

Yield Summary of Cotton Varieties, 2018, Irrigated (Continued)

Variety	Lint Yield				Lint[1]	Fiber Quality[2]				
	Bainbridge	Tifton	Plains	3-Loc		Length	Uniformity	Strength	Micronaire	Yellowness[3]
	----------lb/acre----------				%	inches	%	g/tex	units	grade
NG 3780 B2XF	737	1228	1113	1026	38.7	1.19	83.6	32.0	4.2	8.1
WinField United 18XC9 B3XF	801	1201	947	983	40.4	1.21	83.1	31.6	4.0	7.3
NG 4777 B2XF	742	1060	1146	982	40.0	1.16	83.0	32.2	4.0	8.2
GA 2015092	792	1139	935	955	39.8	1.20	83.9	32.4	4.2	8.0
PCG 713	809	1188	867	955	38.0	1.16	83.6	31.5	4.2	7.6
ST 5517GLTP	653	1177	1028	952	38.6	1.17	82.8	32.7	3.7	7.6
ST 5122GLT	825	1254	758	946	40.5	1.15	82.7	30.9	3.9	7.6
SSG HQ 210 CT	683	1296	931	940	37.8	1.10	82.7	30.4	4.2	7.7
NG 3699 B2XF	536	1193	1052	903	39.1	1.20	83.0	31.9	3.7	7.9
Average	1013	1274	1161	1148	41.5	1.17	83.6	31.7	4.1	8.0
LSD at 10% Level	269	208	199	148	1.1	0.02	0.7	1.2	0.2	0.3
CV %	22.8	13.7	14.7	19.1	2.9	1.9	0.9	3.9	5.7	4.0

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin campus and on the microgin at the UGA Tifton campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Bainbridge, Georgia:
Cotton Variety Performance, 2018, Irrigated

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
PX5C09W3FE	**1367**	2958	46.3	1.16	84.1	31.8	4.7	8.3
NG 3522 B2XF	**1356**	3066	44.3	1.10	83.7	27.9	4.2	8.2
PHY 430 W3FE	**1311**	2849	46.1	1.12	84.2	31.6	4.4	9.0
PX3C06W3FE	**1308**	2873	45.5	1.13	82.9	28.4	4.5	6.9
PX3B07W3FE	**1281**	2779	46.1	1.16	84.4	32.3	3.8	8.2
ST 6182GLT	**1276**	2721	46.9	1.15	84.2	29.0	4.6	7.9
CPS 18507-D B3XF	**1268**	2797	45.4	1.15	84.7	31.7	4.9	8.5
PX4A64W3FE	**1242**	2738	45.4	1.13	84.4	33.2	4.4	9.0
BX 1973GLTP	**1219**	2648	46.0	1.15	84.4	33.0	4.2	8.5
DP 1538 B2XF	**1205**	2629	45.9	1.11	83.7	29.0	4.7	8.6
DG 3615 B3XF	**1197**	2599	46.1	1.13	83.5	29.7	4.5	8.9
NG 5007 B2XF	**1190**	2692	44.2	1.15	83.8	29.2	4.4	8.4
CPS 1853 B3XF	**1190**	2596	45.9	1.19	84.8	34.7	4.4	7.8
PX4A69W3FE	**1189**	2582	46.1	1.19	84.6	31.4	4.0	8.7
NG 5711 B3XF	**1184**	2679	44.2	1.17	83.2	31.6	4.5	8.4
CROPLAN 9608 B3XF	**1155**	2501	46.2	1.14	83.3	28.5	4.3	9.1
PHY 330 W3FE	**1145**	2482	46.2	1.13	84.4	30.2	4.4	8.6
DP 1840 B3XF	**1144**	2443	46.8	1.17	83.6	32.2	4.6	8.0
PX5D28BW3FE	**1140**	2545	44.8	1.14	84.8	31.7	3.9	8.4
PHY 444 WRF	**1139**	2469	46.1	1.23	85.4	33.4	3.6	8.3
CROPLAN 9178 B3XF	**1136**	2537	44.8	1.17	84.0	33.7	3.8	8.6
ST 5020GLT	**1136**	2683	42.3	1.21	84.7	35.2	4.0	7.9
PHY 340 W3FE	**1118**	2441	45.8	1.13	84.3	30.0	4.4	8.3
DG 3526 B2XF	**1115**	2426	46.0	1.12	84.7	29.0	4.5	8.3
DP 1747NR B2XF	**1115**	2387	46.7	1.14	84.3	33.3	5.2	9.5
GA 2015088	**1114**	2542	43.9	1.26	84.4	34.4	4.5	8.0
CROPLAN 3885 B2XF	**1110**	2486	44.7	1.15	84.3	30.5	4.6	8.7
BX 1976GLTP	**1110**	2437	45.6	1.15	84.2	32.5	4.8	8.0
PHY 440 W3FE	**1100**	2414	45.6	1.21	84.6	33.9	4.1	8.8
BX 1975GLTP	1082	2409	44.9	1.19	86.4	30.7	4.4	8.5
PX3A82W3FE	1073	2534	42.4	1.16	86.4	36.1	3.9	8.2
DP 1835 B3XF	1069	2323	46.0	1.15	83.9	32.0	4.2	8.4
PX5B73W3FE	1068	2514	42.5	1.16	85.1	31.7	4.2	7.8
PHY 350 W3FE	1067	2443	43.7	1.17	85.3	31.5	4.3	8.5
NG 3729 B2XF	1044	2379	43.9	1.18	84.7	31.7	4.5	8.6
BX 1974GLTP	1025	2241	45.8	1.15	84.5	31.2	4.4	8.0
PX3B09W3FE	1003	2176	46.1	1.17	83.9	31.9	4.0	7.8
DP 1820 B3XF	996	2172	45.9	1.24	84.4	32.7	4.2	8.1
DP 1646 B2XF	992	2165	45.8	1.23	83.9	29.8	4.3	7.8
DG 3560 B2XF	991	2213	44.8	1.22	85.7	35.6	4.3	8.5
DP 1851 B3XF	989	2161	45.7	1.19	85.4	32.2	4.2	8.5
DG 3385 B2XF	954	2165	44.1	1.12	84.0	29.8	4.2	8.2
PHY 300 W3FE	952	2074	45.9	1.15	85.2	30.7	4.3	8.6
SSG UA 222	942	2240	42.1	1.19	84.1	32.4	3.9	8.0
CPS 18506-D B3XF	925	2072	44.7	1.17	84.4	31.2	4.1	8.3

Bainbridge, Georgia:
Cotton Variety Performance, 2018, Irrigated
(Continued)

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
AMX 1817 B3XF	919	2035	45.1	1.13	84.0	30.7	4.4	8.3
ST 4949GLT	910	2037	44.7	1.11	83.8	28.8	4.3	8.2
NG 4689 B2XF	906	2183	41.5	1.13	83.2	33.1	4.1	8.3
PHY 480 W3FE	904	2101	43.1	1.15	84.0	30.9	4.0	8.9
ST 5818GLT	900	2153	41.8	1.18	84.1	32.3	3.9	7.6
GA 2015007	896	2121	42.3	1.22	83.9	31.1	4.0	8.2
GA 2013114	892	2073	43.1	1.17	84.5	31.7	4.6	7.7
SSG UA 114	883	2158	41.0	1.15	85.3	34.6	4.3	7.8
GA 2011113	861	2078	41.4	1.21	85.6	35.1	4.5	7.7
DG 1702 GLT	835	1928	43.3	1.15	83.5	29.5	3.7	8.5
ST 5122GLT	825	1929	42.8	1.15	83.0	31.0	3.7	7.7
AMX 1801 B3XF	824	1930	42.7	1.20	84.9	30.5	4.0	7.1
PCG 713	809	1991	40.7	1.15	84.2	31.3	4.4	7.7
WinField United 18XC9	801	1894	42.3	1.21	83.8	31.5	4.0	7.9
GA 2015092	792	1887	42.0	1.20	84.7	33.5	4.2	8.3
DP 1555 B2RF	787	1704	46.2	1.15	83.9	31.7	4.4	8.2
ST 5471GLTP	776	1830	42.4	1.17	84.2	32.4	3.9	7.7
NG 4777 B2XF	742	1773	41.9	1.13	83.2	31.0	3.7	8.5
NG 3780 B2XF	737	1830	40.3	1.15	83.3	31.9	4.1	8.1
GA 2015072	705	1655	42.6	1.17	85.7	32.8	3.8	7.3
SSG HQ 210 CT	683	1639	41.7	1.11	83.7	29.5	4.1	8.1
ST 5517GLTP	653	1624	40.2	1.19	83.7	33.2	3.4	7.5
DG 3605 B2XF	603	1378	43.8	1.20	84.1	30.5	4.1	7.9
NG 3699 B2XF	536	1261	42.6	1.18	83.3	30.2	3.4	7.9
Average	1013	2282	44.2	1.16	84.3	31.6	4.2	8.2
LSD at 10% Level	269	602	2.0	0.03	1.2	2.0	0.4	0.4
CV %	22.8	22.6	2.7	1.4	0.8	3.7	5.8	3.0

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	May 18, 2018.
Harvested:	October 9, 2018.
Seeding Rate:	4 seed/foot in 36" rows.
Soil Type:	Lucy or Blanton loamy sand.
Soil Test:	P = High, K = Medium, and pH = 6.2.
Fertilization:	45 lb N, 81 lb P, and 54 lb K/acre. Sidedress: 137 lb N, 149 lb K, and 24.5 lb S/acre. Aerial: 12 lb N/acre.
Previous Crop:	Corn followed by oat cover crop.
Management:	Strip-tillage; Stealth, MSMA, Cotoran, and Suprend used for weed control; Bidrin and Prevathon used for insect control; Mepiquat chloride used for PGR.

	May	June	July	Aug.	Sept.
Irrigation (in):	0.75	0.75	0.00	0.00	0.75
Rainfall (in):	5.75	4.75	15.25	10.15	3.40

Test conducted by J. Greene, R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Tifton, Georgia:
Cotton Variety Performance, 2018, Irrigated

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
DG 3615 B3XF	**1644**	3873	42.5	1.13	81.7	32.0	4.4	8.9
GA 2015007	**1501**	4040	37.2	1.23	83.1	31.9	4.0	7.7
GA 2011113	**1485**	4045	36.7	1.21	83.0	31.8	4.4	8.1
GA 2013114	**1480**	3965	37.3	1.21	83.6	31.0	4.3	8.1
PX4A69W3FE	**1448**	3743	38.7	1.19	83.2	32.2	3.8	9.2
PX3C06W3FE	**1439**	3986	36.1	1.13	81.5	29.4	4.4	8.1
BX 1974GLTP	1434	3523	40.7	1.16	83.4	30.2	4.2	8.2
NG 5007 B2XF	1430	3573	40.0	1.13	82.4	28.8	4.3	8.2
BX 1973GLTP	1392	3523	39.5	1.13	82.4	31.4	4.3	8.3
DG 1702 GLT	1387	3745	37.1	1.10	81.3	30.8	3.9	7.7
GA 2015072	1384	3668	37.7	1.12	83.3	30.5	3.8	7.9
DG 3605 B2XF	1379	3584	38.5	1.24	82.5	31.6	3.8	8.2
ST 6182GLT	1367	3337	41.0	1.13	82.1	29.6	4.3	8.3
CROPLAN 9178 B3XF	1364	3455	39.5	1.15	82.9	32.3	4.0	9.1
PX3B07W3FE	1361	3670	37.1	1.19	82.1	32.6	3.7	8.3
CPS 18507-D B3XF	1356	3504	38.7	1.11	82.4	29.1	4.9	8.6
PHY 444 WRF	1352	3484	38.8	1.22	83.6	31.8	3.7	8.4
ST 5020GLT	1352	3715	36.4	1.19	82.9	32.5	4.0	7.9
DP 1747NR B2XF	1349	3364	40.1	1.15	82.3	32.1	4.4	8.9
PX5D28BW3FE	1339	3428	39.1	1.14	83.3	33.6	4.1	8.4
PHY 340 W3FE	1333	3494	38.2	1.16	82.0	30.6	4.1	8.4
ST 5471GLTP	1330	3603	36.9	1.14	81.6	30.6	4.0	7.9
AMX 1817 B3XF	1329	3322	40.0	1.13	82.2	30.2	4.5	8.5
CROPLAN 9608 B3XF	1316	3243	40.6	1.17	83.0	30.4	4.1	8.8
DP 1555 B2RF	1312	3463	37.9	1.15	81.8	31.7	4.3	8.5
DP 1538 B2XF	1309	3343	39.2	1.09	82.3	27.3	4.4	8.0
NG 5711 B3XF	1308	3302	39.6	1.18	82.2	31.7	4.0	8.4
PHY 300 W3FE	1305	3334	39.2	1.13	82.2	30.9	4.3	8.3
BX 1976GLTP	1298	3350	38.8	1.13	81.6	31.1	4.4	8.4
SSG HQ 210 CT	1296	3907	33.2	1.07	81.1	29.7	4.4	7.9
DP 1646 B2XF	1295	3243	40.0	1.21	82.1	29.3	4.2	7.9
GA 2015088	1289	3433	37.6	1.23	83.0	33.6	4.2	8.5
PHY 430 W3FE	1288	3371	38.2	1.12	82.9	31.9	4.1	9.1
DG 3560 B2XF	1275	3351	38.1	1.23	84.7	34.1	4.1	8.8
NG 4689 B2XF	1268	3450	36.8	1.13	83.1	32.6	4.1	9.1
ST 5818GLT	1267	3576	35.4	1.17	81.9	31.3	3.9	7.8
DG 3526 B2XF	1264	3116	40.6	1.12	82.8	28.9	4.3	8.3
ST 5122GLT	1254	3342	37.6	1.13	81.8	30.9	4.0	7.8
SSG UA 114	1246	3595	34.7	1.17	83.3	30.5	4.3	8.1
PX3B09W3FE	1244	3469	35.9	1.16	81.0	31.7	3.7	7.8
DP 1840 B3XF	1243	3186	39.1	1.18	82.7	30.9	3.9	8.4
NG 3780 B2XF	1228	3532	34.8	1.17	82.2	31.0	4.3	8.7
SSG UA 222	1227	3561	34.5	1.17	82.9	29.4	3.9	8.4
BX 1975GLTP	1220	3116	39.2	1.13	82.0	29.1	4.2	8.8
PHY 330 W3FE	1214	3225	37.6	1.13	82.6	30.5	4.0	8.5

Tifton, Georgia:
Cotton Variety Performance, 2018, Irrigated
(Continued)

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
CROPLAN 3885 B2XF	1213	3074	39.5	1.12	82.4	28.5	4.3	8.6
NG 3729 B2XF	1212	3287	36.9	1.17	83.2	29.9	4.7	8.3
PX4A64W3FE	1204	3338	36.1	1.12	82.8	32.6	3.8	9.0
WinField United 18XC9	1201	3283	36.6	1.21	81.9	31.0	3.9	7.8
DP 1820 B3XF	1195	3159	37.8	1.18	83.5	32.7	4.3	8.3
NG 3699 B2XF	1193	3419	34.9	1.19	82.2	32.3	3.9	8.1
PHY 350 W3FE	1191	3423	34.8	1.15	82.2	29.7	3.8	8.8
PCG 713	1188	3394	35.0	1.15	82.5	31.8	4.1	7.6
PHY 480 W3FE	1185	3205	37.0	1.11	82.5	29.9	4.3	9.0
PHY 440 W3FE	1180	3064	38.5	1.18	82.5	33.2	3.9	8.9
CPS 1853 B3XF	1178	2848	41.4	1.17	83.2	32.4	4.4	8.7
ST 5517GLTP	1177	3346	35.2	1.14	81.5	31.6	3.8	7.8
PX5C09W3FE	1148	3103	37.0	1.13	81.6	30.8	4.0	8.8
DP 1851 B3XF	1145	2919	39.3	1.18	82.5	32.8	3.9	8.8
PX3A82W3FE	1142	3203	35.6	1.13	83.0	30.8	4.0	8.4
CPS 18506-D B3XF	1140	3041	37.5	1.15	82.3	30.2	3.9	8.7
GA 2015092	1139	3110	36.7	1.15	82.4	31.2	4.3	8.4
ST 4949GLT	1135	2925	38.8	1.11	83.0	29.5	4.3	8.5
PX5B73W3FE	1128	3075	36.7	1.15	82.9	32.2	4.0	8.2
AMX 1801 B3XF	1108	3003	36.9	1.19	82.8	31.4	4.1	7.6
DP 1835 B3XF	1105	2889	38.2	1.17	82.5	30.8	4.0	9.1
DG 3385 B2XF	1094	2937	37.3	1.14	83.5	29.3	4.4	8.6
NG 3522 B2XF	1061	2977	35.7	1.11	82.0	27.9	4.0	8.8
NG 4777 B2XF	1060	2880	36.8	1.15	82.0	32.0	4.1	8.5
Average	1274	3377	37.8	1.16	82.5	31.0	4.1	8.4
LSD at 10% Level	208	546	1.80	0.03	1.3	1.5	0.3	0.5
CV %	13.7	13.6	2.9	1.5	1.0	3.0	4.3	3.8

1. Determined using the Micro-Gin located on the UGA Tifton Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 8, 2018.
Harvested: October 9, 2018.
Seeding Rate: 4 seed/foot in 36" rows.
Soil Type: Tifton loamy sand.
Soil Test: P = Medium, K = Medium, and pH = 6.2.
Fertilization: 25 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre. Sidedress: 75 lb N and 35 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Conventional tillage; Reflex, Warrant, Select, and Envoke used for weed control; Beseige used for insect control; Mepiquat chloride used for PGR; Telone II used for nematicide.

	May	June	July	Aug.	Sept.
Irrigation (in):	0	0	0	0	0.5
Rainfall (in):	8.3	6.5	7.8	6.4	1.2

Test conducted by R. Brooke, K. Cawley, M. Cofield and D. Dunn.

Plains, Georgia:
Cotton Variety Performance, 2018, Irrigated

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
PX5C09W3FE	**1497**	3408	43.9	1.21	84.4	32.3	4.0	7.0
DP 1747NR B2XF	**1468**	3399	43.2	1.17	83.7	32.0	4.3	7.9
PX3B09W3FE	**1451**	3462	41.9	1.17	82.9	32.8	3.6	7.3
PX5B73W3FE	**1437**	3480	41.3	1.19	84.4	32.8	3.9	7.0
GA 2015007	**1397**	3467	40.3	1.25	84.8	33.5	4.0	7.4
NG 5711 B3XF	**1384**	3208	43.2	1.21	83.2	32.4	4.0	7.3
DP 1646 B2XF	**1343**	3049	44.1	1.29	85.2	30.3	3.7	6.8
PX4A69W3FE	**1315**	3036	43.4	1.19	84.2	33.3	3.6	7.5
DP 1820 B3XF	**1310**	2922	44.9	1.26	84.4	36.6	4.3	7.1
PHY 480 W3FE	**1303**	3090	42.2	1.21	84.7	33.8	4.1	7.8
PX5D28BW3FE	**1301**	2959	44.0	1.21	84.5	34.5	4.0	7.3
PX3C06W3FE	1298	3063	42.4	1.19	83.6	31.4	4.1	7.0
DP 1851 B3XF	1298	2968	43.7	1.23	84.9	34.4	3.8	7.3
DG 3560 B2XF	1296	2954	43.9	1.23	84.6	33.3	4.3	7.8
DG 3385 B2XF	1294	3185	40.7	1.19	84.6	30.0	4.0	8.3
PX3B07W3FE	1290	3036	42.5	1.23	83.6	34.3	3.8	7.5
CPS 18506-D B3XF	1288	3077	41.9	1.19	85.0	31.9	4.0	7.9
DP 1538 B2XF	1270	2909	43.7	1.15	83.5	31.4	4.2	7.6
NG 4689 B2XF	1244	2963	42.0	1.25	84.0	32.9	4.1	7.8
DG 3615 B3XF	1244	2859	43.6	1.19	83.3	30.9	4.2	7.7
CPS 1853 B3XF	1241	2713	45.8	1.22	84.3	34.4	4.0	7.7
AMX 1801 B3XF	1233	2927	42.2	1.17	84.0	32.2	3.7	6.6
PHY 430 W3FE	1228	2900	42.4	1.15	83.9	31.7	3.8	8.0
GA 2015072	1225	2950	41.6	1.19	84.1	33.3	3.9	7.1
BX 1976GLTP	1207	2695	44.8	1.15	84.0	33.1	4.4	7.6
DP 1835 B3XF	1206	2655	45.5	1.20	83.7	33.5	4.1	7.3
ST 5471GLTP	1206	2913	41.4	1.19	84.6	32.9	4.0	7.6
GA 2011113	1204	2895	41.6	1.22	83.8	31.6	4.2	7.4
NG 5007 B2XF	1192	2713	43.9	1.19	83.5	29.3	4.2	7.2
DP 1555 B2RF	1187	2668	44.5	1.19	84.4	35.0	4.0	7.4
DP 1840 B3XF	1180	2704	43.6	1.23	83.5	32.5	4.0	7.1
CROPLAN 3885 B2XF	1179	2654	44.4	1.15	83.6	30.5	4.3	7.6
DG 3526 B2XF	1179	2714	43.5	1.19	83.7	31.5	4.1	7.4
CROPLAN 9608 B3XF	1179	2573	45.9	1.21	84.5	32.0	4.1	7.5
PHY 340 W3FE	1168	2741	42.6	1.19	84.0	33.2	3.9	7.8
PX4A64W3FE	1164	2845	41.0	1.13	84.1	34.1	4.0	7.7
DG 3605 B2XF	1153	2668	43.3	1.30	84.5	32.7	3.9	7.0
PX3A82W3FE	1152	2836	40.6	1.19	84.4	33.3	4.0	7.4
AMX 1817 B3XF	1149	2582	44.5	1.19	84.4	30.6	4.5	7.5
NG 4777 B2XF	1146	2782	41.2	1.22	83.9	33.7	4.1	7.5
PHY 350 W3FE	1136	2840	40.0	1.15	83.3	31.9	4.1	7.6
BX 1973GLTP	1135	2528	44.9	1.17	84.4	32.7	4.1	7.9
ST 5818GLT	1132	2791	40.6	1.21	83.7	32.4	3.7	7.0
PHY 300 W3FE	1118	2650	42.2	1.19	84.0	32.3	4.0	7.6
NG 3780 B2XF	1113	2718	41.0	1.24	85.2	33.1	4.2	7.6

Plains, Georgia:
Cotton Variety Performance, 2018, Irrigated
(Continued)

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
ST 6182GLT	1108	2342	47.3	1.18	83.8	31.0	4.1	7.7
PHY 330 W3FE	1106	2664	41.5	1.19	84.1	33.5	3.7	7.8
DG 1702 GLT	1106	2659	41.6	1.17	83.7	32.7	3.8	7.7
PHY 440 W3FE	1076	2496	43.1	1.25	84.6	35.6	3.4	7.7
GA 2013114	1074	2745	39.2	1.23	84.7	32.9	4.2	7.2
BX 1975GLTP	1072	2405	44.6	1.19	83.6	31.4	4.3	8.1
CPS 18507-D B3XF	1066	2487	42.9	1.19	83.9	34.3	3.9	7.7
NG 3699 B2XF	1052	2641	39.8	1.23	83.6	33.2	3.9	7.7
ST 4949GLT	1041	2405	43.3	1.15	84.0	31.2	4.0	8.0
PHY 444 WRF	1039	2455	42.3	1.27	85.3	31.6	3.6	7.5
BX 1974GLTP	1032	2287	45.1	1.17	83.8	30.6	3.8	7.2
ST 5517GLTP	1028	2541	40.4	1.18	83.2	33.3	4.1	7.5
SSG UA 114	1009	2623	38.5	1.17	84.4	32.0	4.2	7.3
NG 3522 B2XF	1009	2378	42.4	1.15	83.0	29.5	3.8	7.4
NG 3729 B2XF	1001	2523	39.7	1.21	84.6	32.3	4.5	7.4
CROPLAN 9178 B3XF	995	2246	44.3	1.20	84.2	33.0	4.3	7.6
SSG UA 222	979	2450	40.0	1.23	83.8	32.4	4.2	7.2
WinField United 18XC9	947	2233	42.4	1.21	83.5	32.3	4.3	6.4
GA 2015092	935	2301	40.6	1.23	84.6	32.4	4.1	7.5
SSG HQ 210 CT	931	2410	38.7	1.13	83.4	32.0	4.3	7.1
GA 2015088	929	2164	43.0	1.28	84.3	34.6	4.4	7.3
PCG 713	867	2264	38.3	1.18	84.2	31.4	4.0	7.6
ST 5020GLT	797	1960	40.7	1.22	84.8	32.4	4.0	7.1
ST 5122GLT	758	1838	41.3	1.17	83.5	30.9	3.9	7.2
Average	1161	2734	42.5	1.20	84.1	32.5	4.0	7.4
LSD at 10% Level	199	464	1.6	0.04	NS	2.0	0.3	0.4
CV %	14.7	14.5	2.3	2.1	1.0	3.7	4.5	3.6

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 10, 2018.

Harvested: November 19, 2018.

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

Soil Type: Faceville sandy loam.

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

Fertilization: 105 lb N, 80 lb P_2O_5, and 50 lb K_2O/acre. Sidedress: 90 lb N/acre.

Previous Crop: Peanuts.

Management: Conventional tillage; Reflex, Prowl, and Staple used for weed control; Bifenthrin and Bidrin used for insect control; Mepiquat chloride used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	---------- 6.2 for entire season ----------					
Rainfall (in):	8.0	4.9	5.3	4.0	3.2	7.1

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia:
Cotton Strains Performance, 2018, Irrigated

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
17R829 B3XF	**1814**	**3925**	46.2	1.15	81.9	30.5	4.8	7.3
CPS 18503-A B3XF	**1698**	**4070**	41.7	1.19	82.3	30.6	4.2	8.1
DG 3615 B3XF	**1671**	**3698**	45.2	1.15	82.6	30.0	4.7	8.7
CPS 18503-B B3XF	**1634**	**3662**	44.6	1.15	82.1	31.0	4.4	8.2
GA 2015083	**1615**	**3834**	42.2	1.21	82.4	30.5	4.4	6.6
GA 2015018	**1603**	**3821**	42.0	1.17	84.0	30.4	4.1	7.6
GA 2015086	**1581**	**3880**	40.7	1.23	83.8	30.9	3.9	7.0
GA 2015068	**1550**	**3734**	41.5	1.26	83.5	31.7	4.2	7.0
GA 2015017	**1541**	**3812**	40.4	1.28	84.4	31.7	4.1	7.5
AMX 1815 B3XF	**1530**	**3675**	41.7	1.13	83.8	30.7	3.8	7.4
GA 2015026	**1508**	**3394**	44.5	1.17	83.4	31.6	4.3	6.8
CPS 18827 B3XF	**1439**	**3181**	45.3	1.17	82.8	29.5	4.6	7.4
CPS 18503-C B3XF	**1437**	**3077**	46.7	1.13	82.5	30.1	4.7	8.2
CPS 18501-B B3XF	**1427**	**3349**	42.6	1.26	85.3	30.6	3.8	7.7
AMX 1816 B3XF	**1401**	**3694**	37.9	1.17	82.6	29.6	3.8	7.5
AMX 1819 B3XF	**1333**	**3122**	42.7	1.14	83.4	28.9	4.5	8.7
AMX 1818 B3XF	**1315**	**3054**	43.1	1.17	84.2	32.7	4.3	7.3
Average	1535	3587	42.9	1.18	83.2	30.6	4.2	7.6
LSD at 10% Level	NS	NS	1.6	0.02	1.5	1.6	0.3	0.6
CV %	16.6	16.7	2.2	1.2	1.1	3.7	4.4	4.5

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).
Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 8, 2018.
Harvested: October 9, 2018.
Seeding Rate: 4 seed/foot in 36" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 6.2.
Fertilization: 25 lb N, 70 lb P_2O_5, and 120 lb K_2O/acre. Sidedress: 75 lb N and 35 lb K_2O/acre.
Previous Crop: Peanuts.
Management: Conventional tillage; Reflex, Warrant, Select, and Envoke used for weed control; Beseige used for insect control; Mepiquat chloride used for PGR; Telone II used for nematicide.

	May	June	July	Aug.	Sept.
Irrigation (in):	0	0	0	0	0.5
Rainfall (in):	8.3	6.5	7.8	6.4	1.2

Test conducted by R. Brooke, K. Cawley, M. Cofield and D. Dunn.

Yield Summary of Cotton Varieties, 2018, Dryland

Variety	Lint Yield			Lint[1]	Fiber Quality[2]				
	Plains	Athens	2-Loc		Length	Uniformity	Strength	Micronaire	Yellowness[3]
	---------- lb/acre ----------			%	inches	%	g/tex	units	grade
PHY 300 W3FE	**1353**	**1512**	**1433**	45.5	1.14	83.0	29.5	4.2	6.4
PX3B07W3FE	1109	**1669**	**1389**	44.7	1.20	83.2	32.7	3.7	7.9
PHY 340 W3FE	1182	**1522**	**1352**	44.9	1.15	82.7	30.4	4.0	8.5
PX4A69W3FE	**1349**	1347	**1348**	44.7	1.17	83.1	31.4	3.8	8.9
PX5C09W3FE	1128	**1541**	**1334**	45.0	1.15	81.9	30.0	4.1	7.9
PHY 444 WRF	1062	**1605**	**1334**	43.6	1.25	84.0	31.0	3.7	6.0
BX 1976GLTP	1108	**1557**	**1332**	46.2	1.14	82.6	30.0	4.7	6.2
NG 4689 B2XF	1149	**1511**	**1330**	42.1	1.16	83.3	32.3	4.4	8.6
DG 3615 B3XF	1083	**1563**	**1323**	45.5	1.15	81.9	30.8	4.2	8.1
PX3A82W3FE	1120	**1511**	**1315**	44.4	1.14	84.3	32.0	4.0	6.0
PHY 350 W3FE	1114	**1509**	**1312**	42.7	1.17	83.1	30.6	4.1	8.3
DG 3560 B2XF	1186	**1412**	**1299**	45.0	1.22	84.8	32.8	4.4	8.1
PHY 330 W3FE	**1209**	1382	**1295**	44.2	1.17	83.8	31.0	3.9	8.4
PHY 430 W3FE	**1223**	1367	**1295**	43.6	1.14	84.1	31.0	4.0	6.7
PX3C06W3FE	1048	**1528**	**1288**	43.7	1.18	83.2	29.7	3.9	7.7
PX4A64W3FE	1111	**1440**	**1275**	44.5	1.15	83.6	32.9	3.8	8.6
PX5B73W3FE	1132	1364	1248	44.2	1.15	83.0	30.5	4.0	8.0
PX3B09W3FE	1004	**1468**	1236	43.8	1.18	83.4	33.2	3.7	8.0
DP 1646 B2XF	974	**1479**	1227	45.7	1.23	82.9	29.3	4.3	6.2
DP 1555 B2RF	940	**1509**	1225	44.6	1.16	82.8	32.3	4.3	8.3
ST 4949GLT	987	**1461**	1224	45.3	1.14	82.4	29.5	4.1	8.7
PHY 480 W3FE	1059	1381	1220	44.3	1.14	83.4	30.3	4.0	8.6
ST 5471GLTP	1039	**1400**	1219	42.7	1.16	82.3	31.0	4.4	8.2
DP 1820 B3XF	1024	**1400**	1212	45.3	1.22	83.2	31.9	4.4	8.2
BX 1973GLTP	988	**1413**	1200	46.2	1.15	82.9	31.8	4.2	6.3
PX5D28BW3FE	983	1385	1184	45.4	1.15	82.7	32.8	3.9	8.2
GA 2015072	1004	1357	1181	41.7	1.19	83.7	29.9	4.0	8.0
GA 2013114	969	1371	1170	42.1	1.20	83.7	31.3	4.2	8.3
NG 5711 B3XF	1040	1284	1162	44.3	1.19	84.0	29.6	4.2	8.2
CROPLAN 9178 B3XF	877	**1440**	1159	45.2	1.16	83.8	30.6	4.5	4.5
BX 1974GLTP	828	**1488**	1158	46.5	1.16	83.5	30.1	4.5	6.1
CROPLAN 9608 B3XF	915	**1398**	1156	47.2	1.15	82.1	28.6	4.1	8.7
DG 1702 GLT	931	1361	1146	43.9	1.15	81.4	29.6	3.9	8.1
AMX 1817 B3XF	1107	1179	1143	45.2	1.17	83.0	29.8	4.3	8.5
ST 5517GLTP	912	**1450**	1142	40.8	1.19	83.2	31.5	3.9	7.7
NG 3729 B2XF	827	**1458**	1142	42.6	1.18	84.1	30.4	4.5	8.1
DG 3385 B2XF	860	**1410**	1135	43.7	1.16	83.7	28.3	4.3	6.4
ST 6182GLT	650	**1609**	1130	45.4	1.14	82.8	28.8	4.3	8.0
BX 1975GLTP	846	**1412**	1129	44.7	1.18	83.4	30.9	4.2	8.6
ST 5818GLT	859	**1389**	1124	42.1	1.18	83.1	30.4	4.2	7.8
GA 2015088	839	**1404**	1122	44.4	1.21	83.8	32.7	4.4	6.3
DP 1851 B3XF	1051	1192	1122	42.9	1.18	82.9	33.3	4.0	7.7
GA 2011113	951	1253	1102	41.6	1.23	84.2	32.4	4.3	8.0
DG 3526 B2XF	797	**1405**	1101	43.7	1.17	83.5	30.4	4.5	8.2
GA 2015007	1021	1173	1097	42.3	1.26	83.8	30.2	4.2	8.6

Yield Summary of Cotton Varieties, 2018, Dryland (Continued)

Variety	Lint Yield			Lint[1]	Fiber Quality[2]				
	Plains	Athens	2-Loc		Length	Uniformity	Strength	Micronaire	Yellowness[3]
	----------lb/acre----------			%	inches	%	g/tex	units	grade
PHY 440 W3FE	902	1289	1095	43.9	1.19	82.7	34.0	3.5	8.5
DG 3605 B2XF	964	1222	1093	45.2	1.24	82.9	31.0	4.2	8.3
DP 1747NR B2XF	918	1242	1080	45.7	1.13	81.6	29.4	4.6	8.5
WinField United 18XC9 B3XF	781	1374	1078	42.4	1.20	83.7	30.8	4.4	7.7
PCG 713	792	1363	1077	42.4	1.19	83.6	31.4	4.0	8.3
CROPLAN 3885 B2XF	786	1356	1071	45.0	1.12	82.9	29.2	4.6	8.0
SSG UA 222	1028	1113	1070	42.3	1.20	83.2	30.4	4.0	8.5
ST 5020GLT	777	1363	1070	43.1	1.20	82.8	30.1	4.2	7.8
CPS 1853 B3XF	1025	1111	1068	45.5	1.16	83.3	32.3	4.3	8.4
DP 1538 B2XF	807	1325	1066	44.3	1.09	81.8	28.4	4.7	8.4
DP 1840 B3XF	1043	1085	1064	43.2	1.20	82.5	32.4	3.9	8.3
CPS 18507-D B3XF	868	1251	1059	43.7	1.16	83.7	30.3	4.4	8.5
CPS 18506-D B3XF	1018	1099	1058	44.9	1.15	83.9	30.8	4.0	8.6
NG 3522 B2XF	928	1188	1058	42.4	1.10	81.3	28.1	4.0	6.5
NG 5007 B2XF	843	1270	1057	43.5	1.15	82.8	28.2	4.1	8.4
SSG HQ 210 CT	954	1141	1047	40.9	1.11	82.5	30.9	4.3	8.7
SSG UA 114	867	1223	1045	40.7	1.16	82.8	31.0	4.2	6.0
DP 1835 B3XF	914	1169	1041	46.1	1.16	82.7	30.1	4.2	8.2
NG 3699 B2XF	811	1241	1026	40.8	1.20	83.4	32.1	4.1	8.5
GA 2015092	741	1301	1021	41.9	1.21	83.7	32.4	4.2	8.6
NG 3780 B2XF	721	1293	1007	42.3	1.18	82.5	30.3	4.4	8.2
NG 4777 B2XF	864	1147	1005	42.3	1.17	82.6	32.5	4.2	8.4
ST 5122GLT	786	1110	948	43.3	1.17	81.4	30.4	3.9	7.6
AMX 1801 B3XF	821	979	889	43.0	1.21	83.5	31.0	4.2	5.5
Average	970	1355	1162	43.9	1.17	83.1	30.8	4.2	7.8
LSD at 10% Level	160	284	177	1.6	0.03	1.2	1.6	0.3	NS
CV %	14.1	17.8	18.4	3.1	2.2	1.2	4.3	6.4	24.2

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin campus and at the microgin on the UGA Tifton campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Plains, Georgia:
Cotton Variety Performance, 2018, Dryland

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
PHY 300 W3FE	**1353**	2904	46.6	1.14	83.6	28.7	4.7	.
PX4A69W3FE	**1349**	2959	45.6	1.15	82.8	30.6	3.9	.
PHY 430 W3FE	**1223**	2763	44.3	1.14	84.6	29.5	4.3	.
PHY 330 W3FE	**1209**	2705	44.7	1.14	84.1	30.3	4.4	.
DG 3560 B2XF	1186	2641	44.9	1.19	84.8	29.6	4.7	.
PHY 340 W3FE	1182	2605	45.4	1.14	82.9	29.4	4.4	.
NG 4689 B2XF	1149	2750	41.8	1.14	82.7	30.4	4.5	.
PX5B73W3FE	1132	2555	44.3	1.16	83.4	29.1	4.2	.
PX5C09W3FE	1128	2505	45.0	1.12	80.9	30.0	4.4	.
PX3A82W3FE	1120	2559	43.8	1.10	83.2	29.8	4.5	.
PHY 350 W3FE	1114	2587	43.1	1.13	83.2	28.8	4.6	.
PX4A64W3FE	1111	2501	44.4	1.13	83.9	31.6	4.3	.
PX3B07W3FE	1109	2482	44.7	1.17	83.3	32.1	4.2	.
BX 1976GLTP	1108	2364	46.9	1.10	82.2	28.5	5.0	.
AMX 1817 B3XF	1107	2410	46.0	1.12	83.2	27.8	4.7	.
DG 3615 B3XF	1083	2310	46.9	1.13	81.7	29.8	4.4	.
PHY 444 WRF	1062	2342	45.4	1.22	84.4	29.4	4.0	.
PHY 480 W3FE	1059	2400	44.2	1.14	83.6	29.9	4.3	.
DP 1851 B3XF	1051	2387	44.1	1.17	82.5	31.8	4.2	.
PX3C06W3FE	1048	2419	43.4	1.15	83.1	28.4	4.6	.
DP 1840 B3XF	1043	2400	43.5	1.19	83.2	30.8	4.2	.
NG 5711 B3XF	1040	2301	45.2	1.19	84.0	29.6	4.2	.
ST 5471GLTP	1039	2446	42.5	1.14	82.0	30.0	4.3	.
SSG UA 222	1028	2437	42.2	1.16	83.7	29.6	4.5	.
CPS 1853 B3XF	1025	2278	45.0	1.13	83.4	30.2	4.7	.
DP 1820 B3XF	1024	2228	46.0	1.21	83.5	31.0	4.5	.
GA 2015007	1021	2432	42.0	1.24	84.4	30.0	4.3	.
CPS 18506-D B3XF	1018	2287	44.6	1.13	84.4	29.0	4.3	.
GA 2015072	1004	2350	42.7	1.17	83.5	28.2	4.2	.
PX3B09W3FE	1004	2246	44.7	1.16	83.4	31.1	4.3	.
BX 1973GLTP	988	2101	47.0	1.11	82.7	29.7	4.6	.
ST 4949GLT	987	2151	45.9	1.11	81.8	27.3	4.4	.
PX5D28BW3FE	983	2119	46.4	1.14	83.0	30.3	4.1	.
DP 1646 B2XF	974	2142	45.5	1.21	83.2	28.6	4.6	.
GA 2013114	969	2255	43.0	1.19	83.9	31.0	4.3	.
DG 3605 B2XF	964	2137	45.1	1.23	83.7	29.1	4.6	.
SSG HQ 210 CT	954	2319	41.1	1.10	82.7	29.8	4.8	.
GA 2011113	951	2242	42.5	1.21	85.0	31.3	4.6	.
DP 1555 B2RF	940	2124	44.3	1.16	84.4	31.2	4.4	.
DG 1702 GLT	931	2142	43.5	1.13	82.0	27.8	4.1	.
NG 3522 B2XF	928	2192	42.4	1.10	81.2	27.0	4.4	.
DP 1747NR B2XF	918	1956	47.0	1.09	82.4	28.2	4.8	.
CROPLAN 9608 B3XF	915	1933	47.3	1.13	82.2	27.5	4.3	.
DP 1835 B3XF	914	1992	45.9	1.16	83.3	29.1	4.3	.
ST 5517GLTP	912	2223	41.0	1.19	83.2	30.7	3.9	.

Plains, Georgia:
Cotton Variety Performance, 2018, Dryland
(Continued)

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
PHY 440 W3FE	902	2065	43.7	1.17	82.5	30.8	4.1	.
CROPLAN 9178 B3XF	877	1933	45.4	1.13	83.4	29.4	4.7	.
CPS 18507-D B3XF	868	1965	44.2	1.14	83.1	28.0	4.8	.
SSG UA 114	867	2115	41.0	1.13	82.7	29.7	4.7	.
NG 4777 B2XF	864	2069	41.8	1.16	82.6	31.7	4.3	.
DG 3385 B2XF	860	1970	43.7	1.12	83.3	25.5	4.6	.
ST 5818GLT	859	2060	41.7	1.14	82.5	29.8	4.2	.
BX 1975GLTP	846	1911	44.3	1.17	83.4	29.9	4.4	.
NG 5007 B2XF	843	1924	43.8	1.12	82.7	26.2	4.4	.
GA 2015088	839	1888	44.5	1.18	83.8	31.4	4.5	.
BX 1974GLTP	828	1774	46.7	1.13	83.5	28.5	4.7	.
NG 3729 B2XF	827	1956	42.3	1.15	83.4	28.8	4.9	.
AMX 1801 B3XF	821	1911	43.0	1.21	83.9	29.9	4.2	.
NG 3699 B2XF	811	1942	41.8	1.17	83.8	30.6	4.4	.
DP 1538 B2XF	807	1738	42.5	1.07	81.4	27.2	4.8	.
DG 3526 B2XF	797	1761	45.3	1.13	83.2	27.7	4.9	.
PCG 713	792	1883	42.1	1.15	82.8	28.9	4.2	.
CROPLAN 3885 B2XF	786	1738	45.2	1.12	83.2	27.8	4.5	.
ST 5122GLT	786	1820	43.2	1.15	81.5	28.4	3.9	.
WinField United 18XC9	781	1801	43.4	1.19	83.5	28.8	4.7	.
ST 5020GLT	777	1861	41.8	1.19	83.7	29.7	4.5	.
GA 2015092	741	1824	40.6	1.19	83.1	30.8	4.3	.
NG 3780 B2XF	721	1756	41.1	1.17	83.1	29.4	4.8	.
ST 6182GLT	650	1452	44.8	1.12	83.2	27.9	4.3	.
Average	970	2198	44.0	1.15	83.1	29.4	4.4	-
LSD at 10% Level	160	362	2.1	0.05	NS	2.1	0.3	-
CV %	14.1	14.1	2.9	2.4	1.3	4.3	4.5	-

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted:	May 10, 2018.
Harvested:	November 20, 2018.
Seeding Rate:	4 seed/foot in 36" rows.
Soil Type:	Greenville sandy clay loam.
Soil Test:	P = Medium, K = High, and pH = 6.5.
Fertilization:	60 lb N, 70 lb P_2O_5, and 0 lb K_2O/acre. Sidedress: 90 lb N/acre. 2000 lb dolomitic lime.
Previous Crop:	Peanuts.
Management:	Conventional tillage; Reflex, Prowl, and Staple used for weed control; Bifenthrin and Bidrin used for insect control; Mepiquat chloride used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	8.0	4.9	5.3	4.0	3.2	7.1

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Athens, Georgia:
Cotton Variety Performance, 2018, Dryland

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
PX3B07W3FE	**1669**	3731	44.8	1.22	83.1	33.4	3.3	7.4
ST 6182GLT	**1609**	3502	46.0	1.17	82.4	29.8	4.4	7.3
PHY 444 WRF	**1605**	3833	41.9	1.28	83.7	32.6	3.4	7.7
DG 3615 B3XF	**1563**	3539	44.2	1.18	82.2	31.9	4.0	8.0
BX 1976GLTP	**1557**	3423	45.5	1.17	83.0	31.6	4.5	7.9
PX5C09W3FE	**1541**	3423	45.1	1.17	83.0	30.1	3.8	7.6
PX3C06W3FE	**1528**	3467	44.1	1.21	83.3	31.0	3.3	7.3
PHY 340 W3FE	**1522**	3433	44.4	1.17	82.5	31.4	3.7	7.8
PHY 300 W3FE	**1512**	3404	44.5	1.14	82.5	30.4	3.7	8.2
NG 4689 B2XF	**1511**	3557	42.5	1.18	84.0	34.2	4.3	8.2
PX3A82W3FE	**1511**	3353	45.1	1.18	85.5	34.1	3.5	7.4
DP 1555 B2RF	**1509**	3362	44.9	1.15	81.3	33.4	4.3	7.5
PHY 350 W3FE	**1509**	3572	42.3	1.21	83.1	32.5	3.7	7.8
BX 1974GLTP	**1488**	3207	46.4	1.19	83.5	31.7	4.3	7.7
DP 1646 B2XF	**1479**	3217	46.0	1.26	82.7	30.0	4.0	7.3
PX3B09W3FE	**1468**	3415	43.0	1.21	83.4	35.2	3.1	7.0
ST 4949GLT	**1461**	3276	44.7	1.17	83.0	31.6	3.8	8.0
NG 3729 B2XF	**1458**	3410	42.8	1.21	84.9	32.1	4.1	7.4
ST 5517GLTP	**1450**	3584	40.5	1.19	83.2	33.2	4.0	7.3
CROPLAN 9178 B3XF	**1440**	3198	45.0	1.20	84.2	31.8	4.4	8.6
PX4A64W3FE	**1440**	3237	44.5	1.17	83.4	34.3	3.4	7.8
BX 1973GLTP	**1413**	3111	45.4	1.19	83.2	34.0	3.9	7.7
DG 3560 B2XF	**1412**	3135	45.1	1.25	84.8	36.0	4.2	7.9
BX 1975GLTP	**1412**	3135	45.1	1.18	83.3	32.0	3.9	8.2
DG 3385 B2XF	**1410**	3220	43.8	1.21	84.2	31.1	3.9	7.9
DG 3526 B2XF	**1405**	3336	42.1	1.21	83.8	33.2	4.2	7.9
GA 2015088	**1404**	3172	44.3	1.25	83.9	33.9	4.3	7.7
DP 1820 B3XF	**1400**	3132	44.7	1.23	82.9	32.8	4.3	8.4
ST 5471GLTP	**1400**	3271	42.8	1.19	82.6	32.0	4.5	8.0
CROPLAN 9608 B3XF	**1398**	2973	47.0	1.16	82.0	29.7	3.8	8.8
ST 5818GLT	**1389**	3267	42.5	1.22	83.7	31.1	4.3	7.4
PX5D28BW3FE	1385	3125	44.4	1.16	82.3	35.3	3.6	7.6
PHY 330 W3FE	1382	3165	43.7	1.21	83.6	31.8	3.5	7.3
PHY 480 W3FE	1381	3104	44.5	1.15	83.3	30.7	3.8	8.1
WinField United 18XC9	1374	3319	41.4	1.21	83.8	32.9	4.1	7.7
GA 2013114	1371	3332	41.2	1.22	83.5	31.7	4.1	8.1
PHY 430 W3FE	1367	3182	43.0	1.14	83.6	32.5	3.6	8.4
PX5B73W3FE	1364	3094	44.1	1.14	82.7	31.9	3.7	7.9
ST 5020GLT	1363	3073	44.4	1.21	81.9	30.6	3.9	7.3
PCG 713	1363	3188	42.8	1.22	84.3	34.0	3.8	7.8
DG 1702 GLT	1361	3073	44.3	1.17	80.9	31.4	3.8	7.8
GA 2015072	1357	3336	40.7	1.21	83.9	31.6	3.8	7.8
CROPLAN 3885 B2XF	1356	3024	44.9	1.13	82.7	30.6	4.6	8.1
PX4A69W3FE	1347	3081	43.7	1.19	83.4	32.3	3.6	8.1
DP 1538 B2XF	1325	2876	46.1	1.12	82.3	29.6	4.6	8.0

Athens, Georgia:
Cotton Variety Performance, 2018, Dryland
(Continued)

Variety	Lint Yield	Seed Cot. Yield	Lint[1]	Fiber Quality[2]				
				Length	Uniformity	Strength	Micronaire	Yellowness[3]
	lb/acre	lb/acre	%	inches	%	g/tex	units	grade
GA 2015092	1301	3008	43.3	1.23	84.3	34.1	4.1	7.9
NG 3780 B2XF	1293	2972	43.6	1.19	82.0	31.2	4.1	8.1
PHY 440 W3FE	1289	2930	44.0	1.21	82.8	35.6	3.2	8.5
NG 5711 B3XF	1284	2960	43.4	.	.	.	.	.
NG 5007 B2XF	1270	2937	43.3	1.19	82.9	30.2	3.8	7.6
GA 2011113	1253	3077	40.8	1.25	83.4	33.5	4.0	7.5
CPS 18507-D B3XF	1251	2899	43.2	1.19	84.3	32.5	4.0	8.0
DP 1747NR B2XF	1242	2793	44.5	1.16	80.9	30.6	4.4	7.7
NG 3699 B2XF	1241	3120	39.8	1.23	82.9	33.7	3.8	7.8
SSG UA 114	1223	3021	40.5	1.19	83.0	32.3	3.7	7.4
DG 3605 B2XF	1222	2695	45.4	1.26	82.1	33.0	3.9	7.7
DP 1851 B3XF	1192	2861	41.7	1.19	83.4	34.7	3.9	6.9
NG 3522 B2XF	1188	2800	42.5	1.11	81.4	29.2	3.5	8.4
AMX 1817 B3XF	1179	2653	44.4	1.21	82.9	31.8	4.0	7.9
GA 2015007	1173	2762	42.5	1.28	83.2	30.4	4.2	7.3
DP 1835 B3XF	1169	2526	46.3	1.17	82.1	31.0	4.1	8.0
NG 4777 B2XF	1147	2675	42.9	1.19	82.7	33.4	4.1	7.7
SSG HQ 210 CT	1141	2801	40.7	1.13	82.2	32.0	3.9	8.1
SSG UA 222	1113	2619	42.5	1.24	82.8	31.2	3.5	7.9
CPS 1853 B3XF	1111	2420	45.9	1.19	83.3	34.5	4.0	8.4
ST 5122GLT	1110	2554	43.5	1.19	81.4	32.3	3.9	7.4
CPS 18506-D B3XF	1099	2434	45.2	1.17	83.5	32.6	3.6	8.0
DP 1840 B3XF	1085	2530	42.9	1.22	81.8	34.1	3.7	8.2
AMX 1801 B3XF	979	2270	43.1	1.21	82.7	33.2	4.1	7.2
Average	1355	3104	43.7	1.19	83.0	32.3	3.9	7.8
LSD at 10% Level	284	647	2.4	0.04	1.4	2.4	0.4	0.7
CV %	17.8	17.7	3.2	2.1	1.0	4.4	6.6	5.6

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b). Color grade (RD), reflectance, is omitted due to a lack of consistent varietal differences.

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 4, 2018.
Harvested: October 31, 2018.
Seeding Rate: 4 seed/foot in 36" rows.
Soil Type: Wehadkee loam.
Soil Test: P = Low, K = Medium, and pH = 6.3.
Fertilization: 22 lb N, 104 lb P_2O_5, and 120 lb K_2O/acre. Sidedress: 100 lb N/acre.
Previous Crop: Soybeans.
Management: Strip-tillage; Prowl, Reflex, Cotoran, Clethodim, and Warrant used for weed control; Mepiquat chloride used for PGR.

	May	June	July	Aug.	Sept.
Rainfall (in):	4.8	4.3	5.2	4.0	0.7

Test conducted by H. Jordan, G. Ware, J. Cartey, C. Fox, J. Griffin, and K. Roach.

TOBACCO

Tifton, Georgia: Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2018

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		%	%	
PVH 2343	2301	2832	125	66	23	47.7	71	1.38	21.0	15.20
NC 986	2164	2480	115	61	22	45.8	74	1.16	19.3	16.70
NC 95	2161	2546	118	60	21	49.5	67	1.93	16.2	8.40
NC 987	2130	2562	122	65	21	44.2	72	1.20	18.4	15.40
PVH 2254	2124	2738	127	66	22	46.1	73	1.31	19.1	14.60
NC 970	2114	2473	118	62	22	44.6	74	1.13	20.0	17.70
CC 35	2114	2057	98	50	22	47.7	77	1.42	17.3	12.20
NC 938	2090	2636	126	66	21	41.7	73	1.40	15.6	11.10
NC 1226	2072	2547	123	65	21	44.3	68	1.46	19.5	13.30
NC 71	2037	2252	111	59	21	41.3	71	1.55	17.7	11.40
CC 145	2013	2619	131	69	21	46.7	73	1.41	16.8	12.00
K 346	2011	2475	122	64	21	43.4	71	1.76	17.3	9.80
GL 26H	1990	2617	132	69	22	45.4	71	1.71	17.3	10.10
CC 143	1990	2503	125	65	21	43.9	73	1.26	17.3	13.80
CC 1063	1987	2426	124	65	22	43.8	69	1.30	18.6	14.40
PVH 1920	1987	2355	119	63	21	42.1	71	1.41	19.7	14.00
NC 980	1969	2098	107	56	21	42.7	73	1.29	18.5	14.30
PVH 2408	1921	2227	117	62	22	45.7	73	1.35	19.9	14.70
PVH 1600	1918	2477	129	67	21	42.5	74	1.53	19.4	12.60
PVH 2275	1918	2428	127	67	21	44.7	72	1.46	16.7	11.40
NC 972	1902	2218	118	62	23	42.5	78	1.48	17.6	11.90
CC 37	1900	2257	119	63	21	43.5	76	1.43	19.6	13.70
GL 976	1895	2291	121	64	21	42.7	74	1.50	18.8	12.60
NC 297	1889	2282	121	64	21	42.3	71	1.62	19.0	11.70
GF 318	1871	2389	129	68	22	45.7	72	1.32	21.6	16.40
CC 67	1865	2218	119	63	21	45.9	68	1.44	20.4	14.10
NC 72	1847	2337	127	66	21	42.4	76	1.41	18.6	13.20
PVH2360	1823	2064	113	60	21	44.9	74	1.86	17.0	9.10
PVH 1610	1807	2356	130	68	21	43.0	73	1.29	17.1	13.30
PVH 2110	1799	2438	135	71	23	42.3	78	1.43	18.5	12.90
NC 925	1776	2167	121	64	21	39.7	76	1.50	17.4	11.60
K 326	1760	2017	115	61	21	42.3	71	1.52	19.0	12.50
NC 1960	1749	2086	122	64	22	42.9	78	1.23	16.2	13.20
NC 196	1739	2159	124	65	21	41.4	70	1.30	20.2	15.60
CC 27	1733	2216	128	68	21	43.7	73	1.43	17.2	12.00
PVH 1452	1723	2112	124	65	21	43.2	71	1.88	19.1	10.20
CC 33	1702	2130	125	66	21	40.0	75	1.24	19.7	15.90
NC 606	1686	2229	132	71	21	41.9	74	1.43	20.1	14.10
GL 395	1683	2145	127	67	21	45.3	71	1.73	15.9	9.20
PVH 2310	1588	2219	138	74	21	42.1	72	1.32	15.5	11.70
CC 700	1567	2164	137	71	20	39.1	72	1.70	17.2	10.10
CC 144	1427	1816	129	68	21	41.5	74	1.26	18.7	14.80
CC 13	1387	1605	117	62	22	42.9	75	1.35	21.7	16.10
LSD @ 0.05	431.3	610.1	21.4	10.1						

Tifton, Georgia:
Official Flue-Cured Tobacco Variety Test -
Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2018 (Continued)

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

1. Price Index based on two year average prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

Researched by S. LaHue 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, 2016, 2017 and 2018

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 2016, 2017 and 2018					
GL 398	2771	3495	128	65	23	48.1	72	1.97	17.5	9.2
CC 35	2717	2982	109	56	21	48.6	72	1.73	16.9	10.2
NC 196	2648	3355	126	64	21	43.1	68	1.67	18.4	11.5
CC 143	2634	3519	132	68	21	44.4	68	1.66	17.8	11.3
GF 318	2623	3047	118	61	21	44.0	68	1.83	18.6	11.0
CC 37	2597	3153	121	62	21	43.5	69	1.80	17.9	10.4
NC 938	2574	3302	128	66	21	43.0	68	1.56	16.8	11.0
NC71	2510	2837	113	58	20	40.8	68	2.03	16.5	8.7
GL 395	2484	3225	129	66	20	43.5	66	2.03	15.4	7.8
K 730	2477	3384	138	70	22	43.4	66	1.95	16.8	9.0
NC 925	2477	2842	115	60	20	40.4	69	1.89	17.4	9.5
PVH 1600	2475	3164	127	66	21	43.8	68	1.88	17.4	10.1
CC 1063	2459	2992	122	62	21	43.6	67	1.68	16.5	10.4
PVH 2254	2447	3166	129	67	21	45.9	68	1.67	18.1	11.2
PVH 2110	2426	3363	135	70	23	43.5	72	1.67	18.0	11.0
K346	2398	2903	122	63	20	42.3	67	1.79	16.8	9.7
CC 27	2372	2982	126	65	21	43.5	68	1.65	17.6	11.0
PVH 1452	2347	2840	122	63	21	43.0	67	2.08	16.0	8.1
NC 606	2345	2978	127	67	21	42.4	68	1.82	17.9	10.3
PVH 1920	2336	3159	134	68	21	42.8	68	1.86	17.2	9.8
NC 72	2309	2681	117	60	21	43.2	70	1.72	17.4	10.8
PVH 2310	2293	3197	138	72	20	43.4	67	1.83	14.2	8.5
K326	2273	2875	126	66	20	41.3	68	1.76	17.9	10.7
NC 95	2266	2856	126	64	21	46.1	67	2.07	16.6	8.4
PVH2275	2242	2917	131	67	21	44.4	68	1.98	16.1	9.2
CC 13	2163	2697	123	64	21	42.7	69	1.54	19.1	12.9
CC 700	2080	2682	130	66	20	39.4	67	2.19	16.5	7.9

Tifton, Georgia:
Three and Two -Year Averages of Official Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2016, 2017 and 2018 (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 2017-2018										
GL 398	2897	3412	117	60	23	46.4	70	1.85	17.5	9.8
K 730	2643	3380	128	66	21	42.1	65	1.75	17.5	10.2
PVH 1118	2589	3100	120	61	21	43.4	66	2.29	15.9	7.2
NC 1226	2569	3053	119	62	20	44.9	69	1.39	19.2	13.8
PVH 1015	2535	3074	123	63	21	42.7	65	2.00	17.9	9.0
CC 143	2446	3042	125	65	20	45.5	71	1.43	18.5	13.0
GL 394	2419	2347	97	49	21	45.7	73	1.81	19.8	11.0
NC 970	2416	2691	112	59	20	44.6	73	1.30	18.8	14.8
CC 35	2413	2535	105	54	20	48.7	74	1.52	18.5	12.1
GF 318	2390	2754	118	61	20	44.6	71	1.64	20.1	12.9
PVH 2254	2384	2923	122	63	21	46.3	71	1.56	18.6	12.3
NC71	2366	2601	111	58	19	41.6	70	1.74	17.9	10.4
NC 938	2363	2964	125	65	20	43.3	72	1.40	16.5	11.8
PVH2275	2323	2920	126	66	20	45.0	71	1.55	17.9	11.6
CC 37	2319	2804	120	63	20	44.3	72	1.61	19.0	12.0
NC 925	2304	2558	113	59	20	40.4	73	1.68	17.7	10.6
CC 1063	2298	2734	120	62	21	44.8	69	1.50	18.4	12.5
NC 196	2283	2647	118	61	20	42.8	71	1.51	19.4	13.2
K326	2246	2582	115	61	20	42.5	70	1.52	19.1	12.6
GL 395	2240	2668	120	63	20	44.1	68	1.88	16.9	9.0
PVH 1600	2236	2719	123	64	20	44.5	72	1.52	19.0	12.5
PVH 1920	2213	2595	118	61	21	43.7	71	1.64	18.8	11.8
K346	2211	2732	124	65	20	43.3	70	1.63	17.9	11.1
NC 95	2210	2498	113	58	20	48.2	69	1.84	17.8	9.7
CC 27	2205	2730	124	65	20	44.2	71	1.46	18.0	12.3
PVH 2310	2180	2964	135	71	20	43.7	70	1.54	16.5	10.9
NC 72	2172	2414	113	59	20	43.1	73	1.46	18.6	12.8
NC 606	2162	2734	127	67	20	42.7	72	1.71	19.7	11.9
NC 972	2139	2471	116	60	22	44.8	75	1.64	17.8	11.0
PVH 2110	2043	2695	131	68	21	43.0	75	1.51	18.6	12.3
CC 700	1997	2658	133	69	19	40.1	70	1.93	17.7	9.3
PVH 1452	1968	2333	120	63	20	42.9	70	1.82	18.1	10.0
CC 13	1842	2202	119	62	21	43.1	72	1.37	20.4	14.9

1. Price Index based on two year average prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

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

Tifton, Georgia:
Regional Farm Flue-Cured Tobacco Variety Test - Comparison of Varieties for Certain Characteristics, 2018

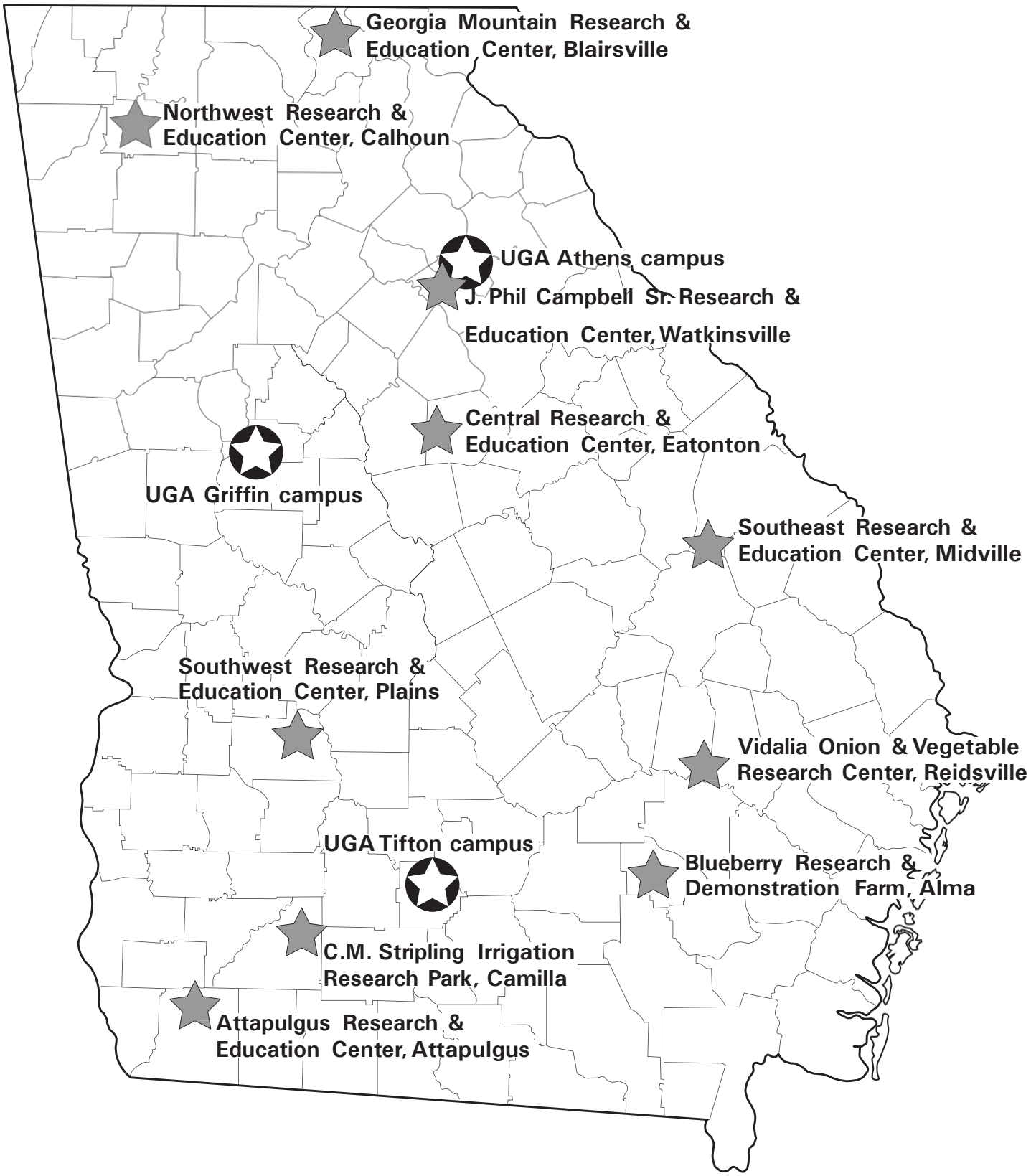
Variety	Yield	Value	Price Index[1]	Grade Index[2]	Leaves/ Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	$/A	$/CWT		number	in		%	%	
NC 95	1862	2388	128	66	20	49.3	65	1.93	16.2	8.40
K 326	2283	3272	143	73	21	44.7	65	1.32	17.9	13.60
NC EX 94	2313	3324	144	73	22	47.8	68	1.31	19.0	14.60
NC EX 89	2498	3455	139	70	22	45.6	69	1.41	18.5	13.10
ULT 116	2016	2901	145	73	23	44.9	77	1.39	17.2	12.40
NCEX 93	2109	3117	148	75	22	46.9	73	1.32	16.9	12.80
LAFC53	1917	2112	111	57	18	45.7	59	0.57	17.4	30.30
LSD -0.05	206.1	406.2	15.0	7.1						

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

1. Price Index based on two-year average prices for U.S. government grades.
2. Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

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

NOTES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