

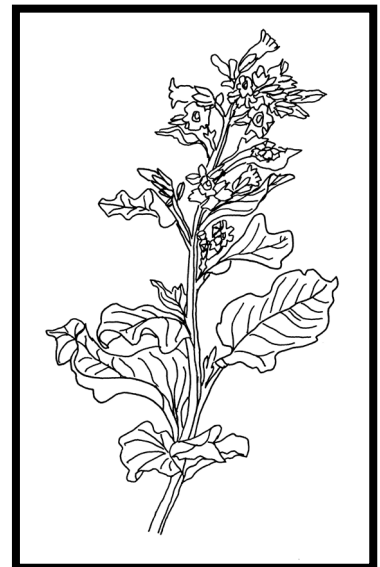
The Georgia Agricultural Experiment Stations  
Department of Crop and Soil Sciences  
College of Agricultural and Environmental Sciences  
University of Georgia Griffin Campus

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# GEORGIA

## 2019 Peanut, Cotton, and Tobacco Performance Tests

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## Conversion Table

<b>U.S. Abbr.</b>	<b>Unit</b>	<b>Approximate Metric Equivalent</b>
<b>Length</b>		
mi	mile	1.609 kilometers
yd	yard	0.9144 meters
ft or'	foot	30.48 centimeters
in or"	inch	2.54 centimeters
<b>Area</b>		
sq mi or mi <sup>2</sup>	square mile	2.59 square kilometers
acre	acre	0.405 hectares or 4047 square meters
sq ft or ft <sup>2</sup>	square foot	0.093 square meters
<b>Volume/Capacity</b>		
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 <sup>3</sup>	cubic foot	0.028 cubic meters
<b>Mass/Weight</b>		
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 2019 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 2019, 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 2020 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), 2018-2019 Small Grains Performance Tests (Annual Publication 100-11), 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](http://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.

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# CONTENTS

## PEANUT

Multi-Year Summary of Peanut Varieties, 2018-2019 .....	1
Tifton, Georgia:	
Peanut Yield and Grade Performance, 2019, Irrigated .....	3
Peanut Yield and Grade Performance, 2019, Dryland .....	5
Plains, Georgia:	
Peanut Yield and Grade Performance, 2019, Irrigated .....	6
Peanut Yield and Grade Performance, 2019, Dryland .....	7
Midville, Georgia:	
Peanut Yield and Grade Performance, 2019, Irrigated .....	8
Peanut Yield and Grade Performance, 2019, Dryland .....	9

## COTTON

Yield Summary of Cotton Varieties, 2019, Irrigated .....	10
Lint Grade Summary of Cotton Varieties, 2019, Irrigated .....	12
Lint Grade Summary of Cotton Varieties, 2019, Dryland .....	14
Yield Summary of Cotton Strains, 2019, Irrigated .....	16
Bainbridge, Georgia: Cotton Variety Performance, 2019, Irrigated .....	17
Midville, Georgia: Cotton Variety Performance, 2019, Irrigated .....	19
Plains, Georgia: Cotton Variety Performance, 2019, Irrigated .....	21
Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated .....	24
Athens, Georgia, Cotton Variety Performance, 2019, Dryland .....	27
Midville, Georgia, Cotton Variety Performance, 2019, Dryland .....	30
Plains, Georgia, Cotton Variety Performance, 2019, Dryland .....	32
Tifton, Georgia: Cotton Variety Performance, 2019, Dryland .....	35
Midville, Georgia: Cotton Strains Performance, 2019, Irrigated .....	38
Plains, Georgia: Cotton Strains Performance, 2019, Irrigated .....	39
Tifton, Georgia: Cotton Strains Performance, 2019, Irrigated .....	40

## TOBACCO

Tifton, Georgia:	
Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2019 .....	41
Three- and Two-Year Averages of Official Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2016, 2018, and 2019 .....	42
Regional Farm Flue-Cured Tobacco Variety Test - Comparison of Released Varieties for Certain Characteristics, 2019 .....	44



# PEANUT

## Multi-Year Summary of Peanut Yields, 2017-2019

Variety	Irrigated			Dryland			All Tests		
	2019	2-Yr Avg	3-Yr Avg	2019	2-Yr Avg	3-Yr Avg	2019	2-Yr Avg	3-Yr Avg
-----lb/acre-----									
<b>Runner Types</b>									
Georgia-12Y	<b>7085</b>	<b>6508</b>	<b>6276</b>	<b>4398</b>	<b>4371</b>	<b>4656</b>	<b>5741</b>	<b>5439</b>	<b>5466</b>
FloRun™ '331'	<b>6857</b>	<b>6558</b>	<b>6350</b>	<b>4606</b>	<b>4536</b>	<b>4768</b>	<b>5731</b>	<b>5547</b>	<b>5559</b>
Georgia-16HO	6395	6034	6052	<b>4594</b>	<b>4404</b>	<b>4600</b>	5494	5219	5326
ARS 13-1125	6548	.	.	<b>4412</b>	.	.	5480	.	.
Georgia-18RU	6663	<b>6428</b>	6127	4243	<b>4361</b>	4494	5453	<b>5395</b>	5311
Georgia-06G	6371	6144	6027	<b>4463</b>	<b>4378</b>	<b>4671</b>	5417	5261	5349
Georgia-13M	6627	6228	5992	4160	<b>4267</b>	<b>4542</b>	5394	5248	5267
TUFRunner™ '297'	6252	5871	5930	<b>4479</b>	<b>4274</b>	<b>4521</b>	5365	5072	5226
GA 152545	6171	.	.	<b>4427</b>	.	.	5299	.	.
Georgia-09B	6409	6163	6027	4132	4078	4385	5271	5120	5206
AU-NPL 17	6338	5719	5670	4130	3883	4256	5234	4801	4963
GA 163120	6375	.	.	4051	.	.	5213	.	.
Georgia-07W	6084	5966	5479	<b>4332</b>	<b>4254</b>	4213	5208	5110	4846
GA 163119	6346	.	.	3991	.	.	5169	.	.
GA 132712	5885	5649	5539	<b>4300</b>	4216	4209	5092	4932	4874
GA 142728	6010	5638	.	4158	4113	.	5084	4875	.
GA 132705	6016	5795	5696	4011	4059	4300	5013	4927	4998
Georgia Greener	5850	5686	5685	4094	4038	4317	4972	4862	5001
TifNV-High O/L	5768	5607	5596	3906	4097	4236	4837	4852	4916
UF 15303	5582	.	.	4074	.	.	4828	.	.
Georgia-14N	5925	5679	5449	3670	4004	4071	4798	4842	4760
Tifguard	5372	5329	5239	4009	4021	4055	4691	4675	4647
Average	6224	5941	5821	4211	4197	4393	5217	5069	5107
LSD at 10% Level	259	224	218	321	312	272	231	197	183
Model R-square	0.85	0.66	0.56	0.88	0.59	0.48	0.88	0.75	0.62
<b>Virginia Types</b>									
ARS 13-3532	<b>6808</b>	.	.	<b>4560</b>	.	.	<b>5684</b>	.	.
Georgia-19HP	6387	<b>6070</b>	<b>5834</b>	4203	<b>4436</b>	<b>4635</b>	5295	<b>5253</b>	<b>5234</b>
Georgia-11J	<b>6607</b>	<b>6268</b>	<b>6002</b>	3499	3819	4095	5053	5043	<b>5049</b>
Bailey II	5715	5307	.	3795	3699	.	4755	4503	.
Bailey	5590	5095	5082	3686	3650	3593	4638	4373	4337
GA 142528	5183	4781	.	3336	3466	.	4259	4123	.
Wynne	4993	.	.	3388	.	.	4191	.	.
Sullivan	4804	4607	.	3196	3241	.	4000	3924	.
Average	5761	5355	5639	3708	3718	4108	4734	4536	4874
LSD at 10% Level	258	217	207	329	306	272	260	204	187
Model R-square	0.87	0.78	0.64	0.85	0.52	0.47	0.84	0.73	0.63

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

Variety names preceded by "GA" or "UF" are unreleased breeding lines.

All tests are planted using 6 seeds per linear foot with 36 inches between rows.

## Multi-Year Summary of Peanut Yields, 2017-2019 (Continued)

Variety	Irrigated			Dryland			All Tests		
	2019	2-Yr Avg	3-Yr Avg	2019	2-Yr Avg	3-Yr Avg	2019	2-Yr Avg	3-Yr Avg
	-----lb/acre-----								
<b>Spanish Types</b>									
Georgia-17SP	<b>5983</b>	<b>5267</b>	<b>5049</b>						
Georgia Browne	4314	4326	4592						
Georgia-04S	4683	4271	4513						
Tamspan 90	4235	3557	4052						
Shubert	4368	3675	4009						
Tamnut OL06	3884	3515	3957						
OLin	3479	3034	3385						
OLe'	3188	2916	3173						
Average	4267	3820	4091						
LSD at 10% Level	346	260	299						
Model R-square	0.86	0.84	0.69						
<b>Valencia Types</b>									
GA 142537	<b>4398</b>	<b>4026</b>	<b>4000</b>						
Georgia Valencia	3763	3515	3562						
Georgia Red	3279	2965	3133						
TAMVal OL14	2910	2744	.						
N. M. Val. A	2517	2305	2382						
NuMex-01	2335	2290	2670						
Val. McRan	2366	2263	2409						
N. M. Val. C	2299	2223	2446						
H & W Val. 136	2360	2214	2558						
H & W Val. 118	2130	2042	.						
Average	2836	2659	2895						
LSD at 10% Level	354	221	268						
Model R-square	0.82	0.81	0.65						

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

Variety names preceded by "GA" or "UF" are unreleased breeding lines.

All tests are planted using 6 seeds per linear foot with 36 inches between rows.

Spanish and Valencia varieties are only tested under irrigated conditions.



**Tifton, Georgia:**  
**Peanut Yield and Grade Performance, 2019, Irrigated**

Variety	Digging	Yield	TSMK	OK	DK	ELK	Seed
	Date						
<b>Runner Types</b>							
GA 163120	10/11	<b>7175</b>	76.0	2.5	1.5	.	647
Georgia-12Y	10/11	<b>7109</b>	72.5	2.0	1.5	.	767
Georgia-16HO	10/04	<b>6933</b>	73.0	2.5	2.0	.	694
FloRun™ '331'	10/04	<b>6879</b>	74.5	2.5	0.5	.	699
GA 142728	10/04	<b>6867</b>	79.5	2.0	0.5	.	681
Georgia-18RU	10/11	<b>6867</b>	77.0	3.0	1.0	.	686
Georgia Greener	10/04	<b>6867</b>	76.5	2.0	1.0	.	750
GA 163119	10/11	<b>6843</b>	76.0	2.0	1.0	.	663
GA 132705	10/11	6788	75.5	2.5	1.0	.	698
ARS 13-1125	10/04	6782	76.5	1.5	0.5	.	640
GA 132712	10/11	6776	78.5	2.5	0.5	.	724
Georgia-06G	10/04	6716	76.5	1.0	2.0	.	763
Georgia-07W	10/11	6716	74.0	2.5	1.0	.	704
Georgia-13M	10/11	6703	75.5	2.5	1.5	.	921
GA 152545	10/04	6601	76.0	2.0	2.0	.	650
TUFRunner™ '297'	10/04	6516	75.0	2.5	2.0	.	624
Tifguard	10/04	6510	76.0	1.5	0.0	.	656
AU-NPL 17	10/04	6449	73.0	2.0	1.0	.	710
Georgia-09B	10/04	6437	75.5	3.0	0.5	.	776
TifNV-High O/L	10/04	6244	74.5	2.0	0.5	.	678
Georgia-14N	10/11	6177	76.5	2.5	1.0	.	943
UF 15303	10/04	6026	74.0	2.5	0.5	.	719
Average	10/06	6681	75.6	2.2	1.1	.	718
LSD at 10% Level		363	1.9	NS	NS	.	56
Model R-square		0.42	0.82	0.41	0.53	.	0.79
CV %		5.7	1.5	36.5	75.3	.	6.6
<b>Virginia Types</b>							
ARS 13-3532	10/04	<b>6437</b>	69.5	3.5	0.5	42.0	520
Georgia-19HP	10/04	<b>6353</b>	75.0	2.0	1.0	55.5	542
Georgia-11J	10/11	5881	68.5	2.5	2.5	50.5	510
Bailey II	09/13	5627	70.5	2.5	0.0	50.5	476
GA 142528	09/13	5421	70.5	3.0	0.5	46.0	514
Wynne	09/13	5276	67.0	2.5	1.0	41.5	474
Bailey	09/13	5251	70.0	2.5	0.5	43.0	503
Sullivan	09/13	4961	69.5	1.5	1.0	42.5	516
Average	09/21	5651	70.1	2.5	0.9	46.4	507
LSD at 10% Level		352	2.8	NS	0.9	3.5	20
Model R-square		0.75	0.84	0.66	0.82	0.94	0.70
CV %		6.4	2.1	25.1	57.1	4.0	3.2

**Tifton, Georgia:**  
**Peanut Yield and Grade Performance, 2019, Irrigated (Continued)**

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<b>Spanish Types</b>							
Georgia-17SP	10/04	<b>5983</b>	72.5	4.0	1.0	.	853
Georgia-04S	10/04	4683	69.5	4.5	1.0	.	1056
Shubert	09/13	4368	63.5	5.5	1.0	.	960
Georgia Browne	10/04	4314	70.5	4.5	1.0	.	983
Tamspan 90	09/13	4235	69.0	2.0	0.5	.	913
Tamnut OL06	09/13	3884	65.0	3.0	1.0	.	913
OLin	09/13	3479	68.5	3.0	0.0	.	1183
OLe'	08/23	3188	64.5	3.0	1.0	.	1063
Average	09/18	4267	67.9	3.7	0.8	.	990
LSD at 10% Level		339	2.6	NS	0.5	.	132
Model R-square		0.88	0.92	0.59	0.82	.	0.55
CV %		8.2	2.0	36.9	30.8	.	11.0
<b>Valencia Types</b>							
GA 142537	09/13	<b>4398</b>	70.0	3.0	1.5	.	644
Georgia Valencia	09/13	3763	62.0	3.0	2.0	.	748
Georgia Red	09/13	3279	69.5	3.0	2.5	.	997
TAMVal OL14	08/23	2910	59.0	10.0	0.5	.	1205
N. M. Val. A	08/23	2517	60.0	8.0	1.5	.	1055
Val. McRan	08/23	2366	58.0	10.5	1.0	.	1205
H & W Val. 136	08/23	2360	60.0	5.5	2.5	.	1093
NuMex-01	08/23	2335	55.5	14.0	0.5	.	1196
N. M. Val. C	08/23	2299	60.5	7.5	2.0	.	1110
H & W Val. 118	08/23	2130	57.0	10.0	0.5	.	1080
Average	08/29	2836	61.2	7.5	1.5	.	1033
LSD at 10% Level		348	1.8	1.9	0.9	.	66
Model R-square		0.84	0.98	0.96	0.85	.	0.94
CV %		12.7	1.6	13.8	34.5	.	5.3

"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 15 (Spanish and Valencia) and 16 (Runner and Virginia), 2019.

Soil Type: Tifton loamy sand.

Previous Crop: Fallow (Spanish and Valencia) and cotton (Runner and Virginia).

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

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 0 lb K<sub>2</sub>O, and 1000 lb gypsum/acre.

Management: Conventional tillage. Sonalan used for weed control. Permethrin for insect control. Tebuconazole, Chlorothalonil, and Fontelis used for disease control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	2.5	2.0	3.1	1.8	3.0	0.5
Rainfall (in):	0.0	5.6	2.0	6.4	0.5	0.3

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

## Tifton, Georgia: Peanut Yield and Grade Performance, 2019, Dryland

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<b>Runner Types</b>							
TUFRunner™ '297'	10/04	<b>6346</b>	75.5	2.0	1.0	.	610
GA 132712	10/11	<b>6280</b>	78.0	3.5	0.5	.	618
FloRun™ '331'	10/04	<b>6207</b>	73.5	3.5	0.0	.	722
Georgia-16HO	10/04	<b>6195</b>	77.5	2.0	0.5	.	643
GA 152545	10/04	<b>6129</b>	75.0	2.5	2.0	.	730
Georgia-18RU	10/11	<b>6062</b>	76.0	3.5	1.5	.	671
ARS 13-1125	10/04	<b>5965</b>	75.0	1.5	1.0	.	638
Georgia-06G	10/04	<b>5953</b>	74.5	2.0	1.0	.	662
AU-NPL 17	10/04	<b>5899</b>	72.5	1.5	1.0	.	747
Georgia-12Y	10/11	5711	73.0	3.0	1.0	.	771
Georgia-07W	10/11	5699	76.0	2.0	1.5	.	864
Georgia-09B	10/04	5572	72.5	2.5	1.5	.	780
Tifguard	10/04	5572	76.5	2.0	0.0	.	696
GA 132705	10/11	5554	75.5	3.5	1.0	.	713
Georgia-13M	10/11	5481	73.0	3.0	2.0	.	868
UF 15303	10/04	5385	74.5	3.0	0.5	.	768
GA 142728	10/04	5372	78.5	2.0	1.0	.	674
GA 163119	10/11	5372	74.5	3.0	2.5	.	721
GA 163120	10/11	5366	75.0	3.5	0.0	.	706
TifNV-High O/L	10/04	5136	74.5	3.0	0.0	.	677
Georgia-14N	10/11	5052	75.0	4.0	1.0	.	772
Georgia Greener	10/04	5009	77.5	2.0	0.0	.	740
Average	10/06	5696	75.2	2.7	0.9	.	718
LSD at 10% Level		517	1.5	0.9	0.8	.	74
Model R-square		0.60	0.89	0.82	0.82	.	0.62
CV %		9.5	1.2	19.0	52.0	.	8.7
<b>Virginia Types</b>							
ARS 13-3532	10/04	<b>6268</b>	70.5	3.0	1.0	39.0	518
Georgia-19HP	10/04	5850	72.5	3.0	1.5	49.0	541
Georgia-11J	10/11	4465	68.5	2.5	2.0	49.0	507
Bailey II	09/19	4447	66.5	3.0	1.5	44.0	506
Bailey	09/19	4138	67.0	3.0	2.5	37.5	560
Sullivan	09/19	4066	65.5	2.5	1.5	35.5	548
GA 142528	09/19	4047	69.5	3.0	1.0	43.0	548
Wynne	09/19	3721	63.0	3.5	2.0	38.5	533
Average	09/25	4625	67.9	2.9	1.6	41.9	532
LSD at 10% Level		400	4.1	NS	NS	NS	NS
Model R-square		0.89	0.83	0.29	0.77	0.59	0.25
CV %		8.9	3.2	28.6	30.8	14.5	9.0

"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 15, 2019.

Soil Type: Tifton loamy sand.

Previous Crop: Summer annuals.

Soil Test: P = High, K = Medium, and pH = 6.0.

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 0 lb K<sub>2</sub>O, and 1000 lb gypsum/acre.

Management: Conventional tillage. Sonalan used for weed control. Permethrin for insect control. Tebuconazole, Chlorothalonil, and Fontelis used for disease control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.0	5.6	2.0	6.4	0.5	0.3

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

## Plains, Georgia: Peanut Yield and Grade Performance, 2019, Irrigated

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<b>Runner Types</b>							
Georgia-12Y	10/24	<b>6262</b>	74.5	3.0	1.0	.	731
FloRun™ '331'	10/07	<b>5905</b>	75.0	3.5	1.5	.	803
Georgia-18RU	10/24	<b>5808</b>	78.0	3.0	1.0	.	674
Georgia-13M	10/24	<b>5784</b>	75.0	4.0	1.5	.	861
AU-NPL 17	10/07	5560	75.5	2.0	0.5	.	654
TUFRunner™ '297'	10/07	5530	76.5	2.0	0.5	.	603
ARS 13-1125	10/07	5306	77.5	1.5	0.5	.	633
GA 152545	10/07	5161	77.0	2.5	1.5	.	694
Georgia-09B	10/07	5130	77.0	3.5	0.5	.	753
Georgia-16HO	10/07	5106	77.0	2.0	1.5	.	682
TifNV-High O/L	10/07	5058	76.5	2.5	1.0	.	624
Georgia-06G	10/07	5034	77.0	2.0	0.5	.	682
Georgia-07W	10/24	4870	75.0	3.5	1.5	.	673
GA 132712	10/24	4640	77.0	3.0	1.0	.	683
GA 163120	10/24	4604	76.0	2.5	1.0	.	658
Georgia-14N	10/24	4501	77.0	3.5	1.0	.	797
GA 142728	10/07	4362	77.5	3.5	1.0	.	651
GA 132705	10/24	4332	76.5	3.0	1.0	.	696
UF 15303	10/07	4283	74.5	3.5	1.0	.	681
GA 163119	10/24	4277	77.0	2.0	1.5	.	653
Georgia Greener	10/07	4205	76.5	3.5	1.0	.	707
Tifguard	10/07	3781	76.5	2.5	1.5	.	611
Average	10/13	4977	76.4	2.8	1.1	.	691
LSD at 10% Level		493	NS	1.2	NS	.	42
Model R-square		0.67	0.60	0.68	0.38	.	0.81
CV %		10.3	1.6	25.1	69.8	.	5.1
<b>Virginia Types</b>							
ARS 13-3532	10/07	<b>6183</b>	73.5	2.5	0.5	43.0	536
Georgia-11J	10/24	<b>5929</b>	74.5	2.0	0.5	54.5	489
Georgia-19HP	10/07	5542	77.5	2.0	0.5	52.0	561
Bailey	09/24	5336	70.0	3.0	0.5	38.0	542
Bailey II	09/24	5179	72.0	2.0	0.5	43.5	545
GA 142528	09/24	4187	73.0	2.5	0.5	38.5	565
Sullivan	09/24	3612	71.5	2.0	0.0	36.0	579
Wynne	09/24	3200	68.5	3.0	0.0	39.5	543
Average	10/01	4896	72.6	2.4	0.4	43.1	545
LSD at 10% Level		497	2.4	NS	NS	2.8	28
Model R-square		0.86	0.91	0.65	0.20	0.98	0.64
CV %		10.4	1.8	26.4	174.6	3.5	4.2

"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 22, 2019.

Soil Type: Greenville sandy clay loam.

Previous Crop: Cotton.

Soil Test: P = Medium, K = Very High, and pH = 5.6.

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 0 lb K<sub>2</sub>O, and 1000 lb dolomitic lime/acre.

Management: Conventional tillage. Strong Arm, Prowl, Valor, Basagran, 2,4-DB and Select used for weed control. Lorsban and Thimet for insect control. Headline, Provost Silver and Artisan for disease control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	----- 7.2 inches season total -----					
Rainfall (in):	0.0	1.5	7.3	4.8	1.0	4.8

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

## Plains, Georgia: Peanut Yield and Grade Performance, 2019, Dryland

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<b>Runner Types</b>							
FloRun™ '331'	10/07	<b>5034</b>	74.5	2.5	2.0	.	724
TUFRunner™ '297'	10/07	<b>5003</b>	74.0	2.5	3.0	.	639
Georgia-12Y	10/24	<b>4979</b>	74.5	1.5	1.5	.	712
Georgia-07W	10/24	<b>4961</b>	75.0	3.5	1.0	.	687
Georgia-16HO	10/07	<b>4961</b>	76.0	2.0	2.0	.	733
GA 152545	10/07	<b>4828</b>	75.5	3.0	2.5	.	747
Georgia-13M	10/24	<b>4792</b>	76.5	2.5	1.5	.	822
Georgia-18RU	10/24	<b>4731</b>	77.5	2.5	1.5	.	736
ARS 13-1125	10/07	<b>4707</b>	76.0	2.0	1.5	.	630
Georgia-06G	10/07	<b>4683</b>	76.0	2.0	1.5	.	673
Georgia Greener	10/07	<b>4646</b>	74.5	3.5	2.0	.	725
UF 15303	10/07	<b>4640</b>	74.0	3.0	1.5	.	762
GA 142728	10/07	<b>4628</b>	78.0	1.5	1.5	.	771
TifNV-High O/L	10/07	<b>4622</b>	74.0	2.0	3.0	.	670
Georgia-09B	10/07	4501	73.5	3.5	2.5	.	833
AU-NPL 17	10/07	4435	73.0	2.5	1.5	.	745
GA 132712	10/24	4429	78.5	2.0	1.5	.	644
GA 132705	10/24	4392	76.5	2.5	1.0	.	674
GA 163120	10/24	4362	74.5	2.5	1.5	.	649
Tifguard	10/07	4223	76.0	2.0	2.0	.	673
GA 163119	10/24	4217	76.5	2.5	2.0	.	621
Georgia-14N	10/24	3860	74.0	3.5	2.5	.	779
Average	10/13	4620	75.4	2.5	1.8	.	711
LSD at 10% Level		475	NS	NS	NS	.	52
Model R-square		0.40	0.58	0.65	0.40	.	0.72
CV %		10.7	2.5	27.0	56.4	.	6.2
<b>Virginia Types</b>							
ARS 13-3532	10/07	<b>4979</b>	68.0	3.5	2.5	33.5	589
Bailey II	09/24	<b>4882</b>	66.5	3.5	0.5	36.5	605
Wynne	09/24	<b>4568</b>	62.0	5.0	1.5	30.5	537
Georgia-19HP	10/07	<b>4556</b>	74.0	2.0	2.5	37.5	683
Bailey	09/24	4368	69.0	3.0	0.5	28.0	622
Sullivan	09/24	4029	65.5	4.0	1.5	30.0	643
Georgia-11J	10/24	4017	73.0	1.5	3.5	45.5	510
GA 142528	09/24	3830	64.0	4.5	2.0	29.5	576
Average	10/01	4404	67.8	3.4	1.8	33.9	596
LSD at 10% Level		531	3.3	NS	1.1	7.2	33
Model R-square		0.46	0.92	0.72	0.88	0.85	0.86
CV %		12.4	2.5	31.2	32.6	11.3	4.6

"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 23, 2019.

Soil Type: Greenville sandy clay loam.

Previous Crop: Fallow.

Soil Test: P = Low, K = High, and pH = 5.6.

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 0 lb K<sub>2</sub>O, and 2000 lb dolomitic lime/acre.

Management: Conventional tillage. Strong Arm, Prowl, Valor, Basagran, 2,4-DB and Select used for weed control. Lorsban and Thimet for insect control. Headline, Provost Silver and Artisan for disease control.

Rainfall (in):	May	June	July	Aug.	Sept.	Oct.
	0.0	1.5	7.3	4.8	1.0	4.8

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

## Midville, Georgia: Peanut Yield and Grade Performance, 2019, Irrigated

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<b>Runner Types</b>							
GA 163119	10/14	<b>7919</b>	78.5	1.5	0.5	.	670
Georgia-12Y	10/14	<b>7883</b>	76.0	2.0	0.5	.	744
FloRun™ '331'	10/05	<b>7786</b>	77.0	1.5	0.0	.	696
Georgia-09B	10/05	<b>7659</b>	77.5	2.0	0.0	.	741
ARS 13-1125	10/05	<b>7556</b>	74.5	3.0	0.5	.	638
Georgia-13M	10/14	7393	78.5	2.5	0.5	.	870
Georgia-06G	10/05	7363	77.0	2.5	0.0	.	642
GA 163120	10/14	7345	78.0	2.0	0.5	.	702
Georgia-18RU	10/14	7314	80.0	2.0	0.0	.	678
Georgia-16HO	10/05	7145	77.5	2.5	0.0	.	747
Georgia-14N	10/14	7097	78.0	3.5	0.5	.	753
AU-NPL 17	10/05	7006	74.0	2.5	0.5	.	754
GA 132705	10/14	6927	79.0	2.0	0.5	.	731
GA 142728	10/05	6800	78.5	1.5	0.5	.	663
GA 152545	10/05	6752	79.5	2.0	0.0	.	671
TUFRunner™ '297'	10/05	6709	75.5	3.0	0.5	.	643
Georgia-07W	10/14	6667	75.0	5.0	0.5	.	723
Georgia Greener	10/05	6480	77.0	2.0	0.5	.	745
UF 15303	10/05	6437	77.0	2.5	0.0	.	774
GA 132712	10/14	6238	80.5	2.5	0.5	.	744
TifNV-High O/L	10/05	6002	75.0	2.5	0.5	.	667
Tifguard	10/05	5826	76.0	2.5	0.5	.	682
Average	10/08	7014	77.3	2.4	0.3	.	714
LSD at 10% Level		460		NS	NS	.	67
Model R-square		0.66	0.76	0.48	0.24	.	0.56
CV %		6.9	1.9	48.4	175.0	.	7.8
<b>Virginia Types</b>							
Georgia-11J	10/14	<b>8010</b>	76.5	1.5	0.5	60.0	459
ARS 13-3532	10/05	<b>7805</b>	74.5	2.5	0.0	45.0	526
Georgia-19HP	10/05	7266	77.5	1.0	0.5	54.0	523
Wynne	09/16	6504	69.0	3.0	1.0	48.5	472
Bailey II	09/16	6340	70.0	3.0	0.5	52.5	496
Bailey	09/16	6183	70.5	3.0	0.5	46.5	531
GA 142528	09/16	5941	71.0	2.5	1.5	47.5	520
Sullivan	09/16	5838	69.0	3.0	0.5	45.0	523
Average	09/24	6736	72.3	2.4	0.6	49.9	506
LSD at 10% Level		395	2.1	NS	NS	3.8	29
Model R-square		0.85	0.95	0.72	0.52	0.94	0.62
CV %		6.0	1.6	30.8	100.3	4.0	4.7

"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 20, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Cotton.

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

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 0 lb K<sub>2</sub>O, and 0 lb gypsum/acre.

Management: Conventional tillage. Sonalan, Valor, Dual Magnum, Gramoxone, Storm, Cadre and 2,4-DB used for weed control.

Headline, tebuconazole, Convoy, and Chlorothalonil used for disease control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.0	3.5	5.3	2.0	4.0	0.0
Rainfall (in):	0.0	3.3	2.5	5.5	0.5	2.2

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, 2019, Dryland

Variety	Digging	Yield lb/A	TSMK %	OK %	DK %	ELK %	Seed no./lb
	Date						
<b>Runner Types</b>							
Georgia-06G	10/14	<b>2753</b>	65.5	8.0	1.5	.	870
Georgia-16HO	10/14	<b>2626</b>	66.0	9.5	1.0	.	939
Georgia Greener	10/14	<b>2626</b>	67.0	8.5	1.5	.	934
FloRun™ '331'	10/14	<b>2577</b>	63.0	11.0	1.0	.	1000
ARS 13-1125	10/14	<b>2565</b>	64.5	8.0	2.5	.	853
Georgia-12Y	10/14	<b>2505</b>	58.0	13.5	1.0	.	1051
GA 142728	10/14	<b>2474</b>	69.5	6.0	1.0	.	865
GA 163120	10/14	<b>2426</b>	61.0	11.5	1.5	.	1005
GA 163119	10/14	2384	67.0	8.5	0.5	.	895
Georgia-07W	10/14	2335	62.0	12.5	0.5	.	1015
GA 152545	10/14	2323	67.0	7.5	2.0	.	981
Georgia-09B	10/14	2323	67.0	8.0	1.0	.	1020
Tifguard	10/14	2232	64.5	9.0	2.0	.	925
Georgia-13M	10/14	2208	57.5	17.0	1.0	.	1179
UF 15303	10/14	2196	65.5	7.5	1.0	.	948
GA 132712	10/14	2190	68.5	6.5	1.0	.	880
Georgia-14N	10/14	2099	69.0	9.0	1.0	.	959
GA 132705	10/14	2087	66.0	8.5	1.5	.	895
TUFRunner™ '297'	10/14	2087	61.5	10.0	2.0	.	840
AU-NPL 17	10/14	2057	63.5	11.5	0.5	.	957
TifNV-High O/L	10/14	1960	65.5	7.5	2.5	.	802
Georgia-18RU	10/14	1936	69.0	7.5	1.0	.	885
Average	10/14	2317	64.9	9.4	1.3	.	941
LSD at 10% Level		363	4.8	3.7	NS	.	90
Model R-square		0.55	0.78	0.78	0.64	.	0.67
CV %		16.3	4.3	23.1	52.6	.	7.9
<b>Virginia Types</b>							
Bailey	10/14	<b>2553</b>	63.0	5.5	3.0	15.5	735
ARS 13-3532	10/14	<b>2432</b>	60.0	9.0	2.0	8.0	776
Georgia-19HP	10/14	<b>2202</b>	65.0	6.5	1.5	13.0	805
GA 142528	10/14	<b>2130</b>	68.5	4.0	2.0	21.5	651
Bailey II	10/14	2057	64.0	3.5	3.0	20.0	700
Georgia-11J	10/14	2015	63.5	5.5	2.0	16.5	739
Wynne	10/14	1876	57.0	6.5	4.5	17.0	739
Sullivan	10/14	1494	63.5	6.0	2.0	17.0	750
Average	10/14	2095	63.1	5.8	2.5	16.1	737
LSD at 10% Level		446	NS	NS	NS	NS	NS
Model R-square		0.55	0.55	0.59	0.60	0.60	0.37
CV %		21.8	7.0	35.3	44.7	31.4	9.2

"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 20, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Cotton.

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

Fertilization: 0 lb N, 0 lb P<sub>2</sub>O<sub>5</sub>, 0 lb K<sub>2</sub>O, and 1,000 lb gypsum/acre.

Management: Conventional tillage. Valor, Gramoxone, Storm, Warrant and Basagran used for weed control. Headline, tebuconazole, Convoy, and Chlorothalonil used for disease control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.0	3.3	2.5	5.5	0.5	2.2

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

# COTTON

## Yield Summary of Cotton Varieties, 2019

Company or Brand Name	Variety	Short-season		Mid-season	Full-season		All tests
		Irrigated	Dryland	Both	Irrigated	Dryland	Both
-----lb/ac-----							
Americot	AMX 1816 B3XF	1220	1002	1415	.	.	.
Americot	AMX 1818 B3XF	1251	892	1568	.	.	.
Americot	AMX 1828 B3XF	1253	1056	1428	.	.	.
Americot	AMX 19A005 B3XF	1349	1048	1675	.	.	.
Americot	AMX 19A006 B3XF	1370	1178	1618	.	.	.
Americot	NG 3522 B2XF	1343	1131	1548	.	.	.
Americot	NG 3729 B2XF	<b>1413</b>	1094	1644	1023	1160	<b>1274</b>
Americot	NG 3930 B3XF	1183	879	1590	.	.	.
Americot	NG 3994 B3XF	1335	1016	1550	.	.	.
Americot	NG 4936 B3XF	<b>1449</b>	<b>1231</b>	1636	1073	1065	<b>1296</b>
Americot	NG 5711 B3XF	<b>1420</b>	1006	1619	1329	1144	<b>1286</b>
Croplan	CP 3885 B2XF	.	.	1731	1326	1271	.
Croplan	CP 9178 B3XF	<b>1506</b>	1170	1640	.	.	.
Croplan	CP 9210 B3XF	<b>1475</b>	1124	1704	.	.	.
Croplan	CP 9608 B3XF	<b>1422</b>	<b>1269</b>	1628	1295	1261	<b>1380</b>
Croplan	CP 9830 B3XF	.	.	1506	1349	1146	.
Deltapine	18R628NRB3XF	1256	955	1531	.	.	.
Deltapine	DP 1555 B2RF	.	.	1788	1338	1304	.
Deltapine	DP 1646 B2XF	<b>1471</b>	1071	1735	1157	1237	<b>1337</b>
Deltapine	DP 1725 B2XF	<b>1439</b>	<b>1190</b>	1558	.	.	.
Deltapine	DP 1823NR B2XF	1253	930	1419	.	.	.
Deltapine	DP 1835 B3XF	.	.	1757	1219	1234	.
Deltapine	DP 1840 B3XF	.	.	1652	1254	1240	.
Deltapine	DP 1851 B3XF	.	.	1645	1247	1315	.
Deltapine	DP 1916 B3XF	<b>1518</b>	<b>1227</b>	1676	.	.	.
Deltapine	DP 2055 B3XF	1216	1124	1692	1341	1254	<b>1329</b>
Dyna-Gro	DG 3402 B3XF	1372	1110	1585	.	.	.
Dyna-Gro	DG 3470 B3XF	1277	919	1664	.	.	.
Dyna-Gro	DG 3520 B3XF	1229	1181	1654	.	.	.
Dyna-Gro	DG 3526 B2XF	.	.	1610	1181	1103	.
Dyna-Gro	DG 3555 B3XF	<b>1452</b>	<b>1209</b>	1813	.	.	.
Dyna-Gro	DG 3560 B2XF	<b>1449</b>	1138	1629	1322	1357	<b>1378</b>
Dyna-Gro	DG 3605 B2XF	.	.	1726	1328	1105	.
Dyna-Gro	DG 3615 B3XF	.	.	<b>1990</b>	<b>1769</b>	1247	.
Dyna-Gro	DG 3757 B2XF	.	.	1649	1127	<b>1388</b>	.
Dyna-Gro	DG 3799 B3XF	.	.	<b>1988</b>	<b>1588</b>	<b>1540</b>	.
Dyna-Gro	DGX 18503B B3XF	<b>1590</b>	<b>1329</b>	<b>1881</b>	.	.	.
Dyna-Gro	Halo 959 B3XF	<b>1557</b>	<b>1270</b>	1787	.	.	.
Phytogen	PHY 340 W3FE	1270	1082	1534	1132	1172	1243
Phytogen	PHY 350 W3FE	1289	1010	1456	1255	1094	1213
Phytogen	PHY 400 W3FE	1335	<b>1197</b>	1706	1376	1232	<b>1371</b>
Phytogen	PHY 480 W3FE	1365	1115	1642	1290	1219	<b>1326</b>
Phytogen	PHY 500 W3FE <sup>1</sup>	1383	<b>1226</b>	1706	.	.	.
Phytogen	PHY 580 W3FE <sup>1</sup>	1382	<b>1221</b>	1614	.	.	.
Phytogen	PX3C06W3FE	1249	<b>1198</b>	1579	1163	1216	<b>1294</b>
Phytogen	PX3D32W3FE	1353	<b>1184</b>	1609	1199	1286	<b>1334</b>
Phytogen	PX3D43W3FE	1335	1103	1638	1343	1217	<b>1325</b>
Phytogen	PX5C05W3FE <sup>1</sup>	<b>1561</b>	1175	1739	.	.	.
Phytogen	PX5C45W3FE <sup>1</sup>	<b>1505</b>	<b>1180</b>	<b>1907</b>	.	.	.
Phytogen	PX5E28W3FE <sup>1</sup>	1339	1152	1635	.	.	.
Phytogen	PX5E34W3FE <sup>1</sup>	1303	1088	1515	.	.	.

1. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.



## Yield Summary of Cotton Varieties, 2019 (Continued)

Company or Brand Name	Variety	Lint yields by testing environment					
		Short-season		Mid-season	Full-season		All tests
		Irrigated	Dryland	Both	Irrigated	Dryland	Both
-----lb/ac-----							
Seed Source Genetics	SSG HQ 210 CT	1263	788	1330	.	.	.
Seed Source Genetics	SSG UA 114	1094	902	1487	.	.	.
Seed Source Genetics	SSG UA 222	1201	974	1566	.	.	.
Stoneville	BX 2076GLTP	<b>1521</b>	1175	1640	1192	1213	<b>1347</b>
Stoneville	ST 4550GLTP	<b>1424</b>	1101	1658	1291	1265	<b>1340</b>
Stoneville	ST 5471GLTP	1371	1156	1603	1292	1133	<b>1308</b>
Stoneville	ST 5600B2XF	1313	1001	1582	1321	1123	1253
Stoneville	ST 5707B2XF	1342	1014	1567	1343	1249	<b>1297</b>
Stoneville	ST 5818GLT	<b>1559</b>	1158	1571	1256	1253	<b>1352</b>
Stoneville	ST 6182GLT	<b>1400</b>	<b>1210</b>	1588	1342	1234	<b>1348</b>
UGA	GA 2016006	1094	744	1287	1020	875	996
UGA	GA 2016016	1123	903	1748	1138	877	1167
UGA	GA 2016029	<b>1405</b>	949	1757	1220	1092	<b>1271</b>
UGA	GA 2016058	1108	656	1389	1173	942	1037
UGA	GA 2016060	1063	913	1628	984	944	1109
UGA	GA 2016090	1234	880	1509	1075	907	1116
Average		1344	1075	1628	1254	1182	1271
LSD at 10% Level		191	150	146	181	170	113
Model R-square		0.45	0.83	0.87	0.64	0.64	0.48

All tests are planted using 3 seeds per linear foot with 36 inches between rows.

## Lint Grade Summary of Cotton Varieties, 2019, Irrigated

Company or Brand Name	Variety	Lint Yield		2019 Fiber Characteristics					
		2019 ---- lb/acre ----	2-Yr Avg ----	Lint %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness grade
<b>Short and Mid-Season Environments</b>									
Americot	AMX 1816 B3XF	1457	.	36.9	1.17	83.4	31.8	4.1	7.3
Americot	AMX 1818 B3XF	1538	.	40.8	1.17	84.2	34.2	4.7	7.6
Americot	AMX 1828 B3XF	1513	.	41.1	1.17	84.4	32.3	4.8	7.7
Americot	AMX 19A005 B3XF	1706	.	42.7	1.15	83.7	30.4	4.7	7.3
Americot	AMX 19A006 B3XF	1692	.	39.3	1.22	83.0	35.9	4.3	7.6
Americot	NG 3522 B2XF	1615	1412	41.4	1.09	82.2	27.8	4.8	7.9
Americot	NG 3729 B2XF	1691	1431	40.8	1.17	83.9	30.8	4.9	7.5
Americot	NG 3930 B3XF	1529	.	39.7	1.16	83.8	30.7	4.6	8.0
Americot	NG 3994 B3XF	1583	.	43.8	1.15	83.1	31.0	4.9	7.9
Americot	NG 4936 B3XF	1739	.	41.1	1.19	84.3	31.8	4.7	6.6
Americot	NG 5711 B3XF	1732	<b>1536</b>	40.7	1.18	83.2	32.3	4.6	7.5
Croplan	CP 9178 B3XF	1740	<b>1494</b>	43.8	1.15	84.1	34.4	5.0	8.1
Croplan	CP 9210 B3XF	<b>1804</b>	.	43.8	1.16	83.9	32.1	5.1	7.9
Croplan	CP 9608 B3XF	1723	<b>1506</b>	44.3	1.14	82.5	29.9	4.6	7.8
Deltapine	18R628NRB3XF	1600	.	44.0	1.13	83.4	34.0	4.8	8.0
Deltapine	DP 1646 B2XF	<b>1798</b>	<b>1546</b>	43.3	1.19	83.3	29.8	4.7	7.0
Deltapine	DP 1725 B2XF	1698	.	44.0	1.15	82.9	30.5	4.7	7.2
Deltapine	DP 1823NR B2XF	1527	.	42.5	1.17	84.6	32.9	4.6	7.8
Deltapine	DP 1916 B3XF	<b>1848</b>	.	43.7	1.15	83.6	33.1	4.7	8.0
Deltapine	DP 2055 B3XF	1660	.	43.7	1.19	82.9	31.6	4.7	7.2
Dyna-Gro	DG 3402 B3XF	1631	.	42.1	1.18	84.0	31.5	4.4	7.7
Dyna-Gro	DG 3470 B3XF	1652	.	42.7	1.14	83.4	31.8	4.9	8.1
Dyna-Gro	DG 3520 B3XF	1588	.	39.4	1.23	84.0	32.5	4.2	7.6
Dyna-Gro	DG 3555 B3XF	<b>1806</b>	.	41.5	1.19	84.4	32.2	4.3	7.4
Dyna-Gro	DG 3560 B2XF	1719	<b>1491</b>	43.8	1.24	85.2	36.1	5.0	7.8
Dyna-Gro	DGX 18503B B3XF	<b>1928</b>	.	42.6	1.17	83.2	33.1	4.6	8.1
Dyna-Gro	Halo 959 B3XF	<b>1838</b>	.	40.9	1.19	82.8	33.5	4.5	8.0
Phytogen	PHY 340 W3FE	1562	1410	42.7	1.16	84.4	33.2	4.7	7.7
Phytogen	PHY 350 W3FE	1530	.	40.6	1.15	84.1	32.5	4.8	7.7
Phytogen	PHY 400 W3FE	1709	.	42.1	1.15	83.2	32.2	4.4	7.4
Phytogen	PHY 480 W3FE	1711	<b>1462</b>	41.9	1.16	84.4	31.9	4.5	8.0
Phytogen	PHY 500 W3FE <sup>1</sup>	1731	<b>1521</b>	42.9	1.13	82.9	33.9	4.4	7.8
Phytogen	PHY 580 W3FE <sup>1</sup>	1674	<b>1525</b>	43.2	1.12	83.6	32.0	4.8	7.9
Phytogen	PX3C06W3FE	1566	<b>1474</b>	41.1	1.15	83.0	31.4	4.7	6.9
Phytogen	PX3D32W3FE	1648	.	40.8	1.18	84.0	33.6	4.6	8.4
Phytogen	PX3D43W3FE	1672	.	42.2	1.13	83.9	34.5	4.6	8.1
Phytogen	PX5C05W3FE <sup>1</sup>	<b>1880</b>	.	45.4	1.11	83.9	32.3	4.9	8.0
Phytogen	PX5C45W3FE <sup>1</sup>	<b>1878</b>	.	43.7	1.12	83.8	31.6	4.8	7.8
Phytogen	PX5E28W3FE <sup>1</sup>	1652	.	39.6	1.16	84.2	32.7	4.0	7.1
Phytogen	PX5E34W3FE <sup>1</sup>	1608	.	39.3	1.17	84.3	33.4	4.1	7.4
Seed Source Genetics	SSG HQ 210 CT	1443	1238	38.3	1.10	82.5	31.3	4.8	7.0
Seed Source Genetics	SSG UA 114	1425	1262	38.1	1.17	84.9	33.6	5.0	7.7
Seed Source Genetics	SSG UA 222	1529	1323	39.5	1.19	84.9	31.8	4.8	7.6
Stoneville	BX 2076GLTP	1762	<b>1523</b>	42.7	1.15	83.2	33.3	5.1	7.7
Stoneville	ST 4550GLTP	1715	<b>1512</b>	43.7	1.12	83.5	31.7	4.8	8.0
Stoneville	ST 5471GLTP	1651	1417	41.1	1.15	82.9	31.8	4.5	7.2
Stoneville	ST 5600B2XF	1652	.	42.4	1.17	84.8	33.1	5.3	8.2
Stoneville	ST 5707B2XF	1618	.	38.8	1.17	84.4	34.7	4.9	8.1
Stoneville	ST 5818GLT	1740	<b>1465</b>	40.2	1.16	83.0	32.1	4.5	6.9
Stoneville	ST 6182GLT	1681	<b>1490</b>	44.8	1.14	83.7	30.5	4.7	7.8
UGA	GA 2016006	1339	.	41.9	1.19	84.0	33.4	4.6	7.1
UGA	GA 2016016	1650	.	41.9	1.19	83.4	34.3	4.9	7.6
UGA	GA 2016029	1724	.	42.1	1.22	84.5	35.5	4.6	7.5
UGA	GA 2016058	1425	.	39.7	1.20	83.6	33.2	4.5	7.5

## Lint Grade Summary of Cotton Varieties, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield		2019 Fiber Characteristics					
		2019	2-Yr Avg	Lint	Length	Uniformity	Strength	Micronaire	Yellowness
		---- lb/acre ----	----	%	inches	%	g/tex	units	grade
UGA	GA 2016060	1476	.	40.7	1.20	84.1	34.4	4.8	7.4
UGA	GA 2016090	1554	.	40.9	1.20	84.1	34.7	4.6	7.5
Average		1653	1452	41.7	1.16	83.7	32.5	4.7	7.6
LSD at 10% Level		137	102	1.0	0.02	0.6	1.1	0.2	0.3
Model R-square		0.71	0.71	0.88	0.77	0.77	0.64	0.66	0.61
<b>Mid and Full-Season Environments</b>									
Americot	NG 3729 B2XF	1496	1320	40.9	1.13	83.4	30.0	4.9	7.7
Americot	NG 4936 B3XF	1551	.	41.0	1.16	83.7	32.0	4.6	7.0
Americot	NG 5711 B3XF	1708	1516	41.5	1.16	82.5	31.7	4.8	7.6
Croplan	CP 3885 B2XF	1733	1490	43.3	1.11	83.8	29.8	5.0	8.3
Croplan	CP 9608 B3XF	1660	1470	45.1	1.12	82.6	29.4	4.7	7.9
Croplan	CP 9830 B3XF	1606	.	45.6	1.22	83.1	32.0	4.6	7.8
Deltapine	DP 1555 B2RF	1723	1444	44.5	1.14	83.0	32.9	5.0	8.0
Deltapine	DP 1646 B2XF	1641	1456	43.8	1.18	83.4	30.0	4.8	7.4
Deltapine	DP 1835 B3XF	1689	1439	44.3	1.15	83.2	32.1	4.8	8.0
Deltapine	DP 1840 B3XF	1634	1443	41.5	1.18	83.0	31.6	4.7	7.7
Deltapine	DP 1851 B3XF	1627	1420	43.5	1.12	83.2	33.9	4.7	8.1
Deltapine	DP 2055 B3XF	1726	.	44.3	1.18	83.1	31.6	4.9	7.5
Dyna-Gro	DG 3526 B2XF	1565	1402	43.7	1.12	83.7	30.1	4.9	7.9
Dyna-Gro	DG 3560 B2XF	1655	1455	43.6	1.22	85.2	35.8	5.0	8.1
Dyna-Gro	DG 3605 B2XF	1681	1409	44.0	1.20	83.2	30.5	4.7	7.4
Dyna-Gro	DG 3615 B3XF	<b>2126</b>	<b>1786</b>	43.9	1.14	82.5	32.1	4.9	8.4
Dyna-Gro	DG 3757 B2XF	1565	.	42.7	1.12	83.5	29.4	4.8	8.5
Dyna-Gro	DG 3799 B3XF	<b>2009</b>	.	43.8	1.14	82.5	32.6	5.0	8.3
Phytogen	PHY 340 W3FE	1493	1370	43.1	1.13	83.6	32.4	4.7	7.9
Phytogen	PHY 350 W3FE	1513	.	41.2	1.14	83.9	32.4	4.8	8.0
Phytogen	PHY 400 W3FE	1729	.	42.7	1.14	83.0	32.6	4.5	7.6
Phytogen	PHY 480 W3FE	1673	1441	42.3	1.14	84.2	31.9	4.6	8.3
Phytogen	PHY 500 W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX3C06W3FE	1523	1448	41.9	1.13	82.4	30.7	4.7	7.0
Phytogen	PX3D32W3FE	1571	.	42.0	1.16	83.4	33.3	4.6	8.2
Phytogen	PX3D43W3FE	1676	.	42.9	1.11	83.4	33.6	4.7	8.2
Phytogen	PX5C05W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Stoneville	BX 2076GLTP	1597	1429	43.5	1.14	83.1	33.3	5.3	7.8
Stoneville	ST 4550GLTP	1644	1471	44.1	1.09	83.1	31.3	4.9	8.2
Stoneville	ST 5471GLTP	1612	1394	41.5	1.15	82.9	32.0	4.7	7.4
Stoneville	ST 5600B2XF	1680	.	42.6	1.15	84.2	32.9	5.4	8.4
Stoneville	ST 5707B2XF	1618	.	39.3	1.17	84.5	34.9	5.1	8.6
Stoneville	ST 5818GLT	1588	1379	40.6	1.14	82.7	31.3	4.6	7.0
Stoneville	ST 6182GLT	1650	1473	45.1	1.13	82.8	30.3	4.8	7.8
UGA	GA 2016006	1302	.	42.3	1.17	83.3	33.1	4.5	7.4
UGA	GA 2016016	1657	.	42.8	1.17	83.0	33.3	4.9	7.6
UGA	GA 2016029	1631	.	42.9	1.19	84.0	34.7	4.8	7.9
UGA	GA 2016058	1476	.	40.8	1.17	83.1	33.2	4.6	7.6
UGA	GA 2016060	1436	.	41.3	1.18	83.5	33.3	4.8	7.3
UGA	GA 2016090	1475	.	40.8	1.18	83.7	33.6	4.6	7.6
Average		1628	1449	42.8	1.15	83.3	32.1	4.8	7.8
LSD at 10% Level		138	105	0.9	0.02	0.6	1.1	0.2	0.3
Model R-square		0.79	0.76	0.83	0.69	0.76	0.65	0.60	0.71

1. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.

## Lint Grade Summary of Cotton Varieties, 2019, Dryland

Company or Brand Name	Variety	Lint Yield		2019 Fiber Characteristics					
		2019 ---- lb/acre ----	2-Yr Avg ----	Lint %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness grade
<b>Short and Mid-Season Environments</b>									
Americot	AMX 1816 B3XF	968	.	39.6	1.17	83.2	31.8	4.2	7.6
Americot	AMX 1818 B3XF	888	.	41.8	1.14	83.4	33.5	4.6	7.8
Americot	AMX 1828 B3XF	981	.	42.0	1.14	83.7	32.2	4.9	7.9
Americot	AMX 19A005 B3XF	1013	.	43.1	1.14	83.8	29.8	4.7	7.4
Americot	AMX 19A006 B3XF	1090	.	40.8	1.21	83.3	36.5	4.5	8.0
Americot	NG 3522 B2XF	1066	1063	42.0	1.06	82.1	27.4	4.7	8.4
Americot	NG 3729 B2XF	1069	1094	41.7	1.14	83.5	30.5	4.9	7.9
Americot	NG 3930 B3XF	868	.	41.6	1.16	83.8	31.0	4.4	8.0
Americot	NG 3994 B3XF	973	.	44.1	1.12	82.2	30.4	4.8	8.4
Americot	NG 4936 B3XF	1129	.	41.1	1.17	84.1	30.5	4.6	7.0
Americot	NG 5711 B3XF	954	1023	42.3	1.13	83.0	31.0	4.6	7.7
Croplan	CP 9178 B3XF	1120	<b>1133</b>	43.9	1.11	83.2	32.9	4.8	8.3
Croplan	CP 9210 B3XF	1054	.	43.7	1.15	83.7	32.1	5.2	8.3
Croplan	CP 9608 B3XF	<b>1154</b>	<b>1155</b>	46.2	1.11	82.9	29.0	4.7	8.1
Deltapine	18R628NRB3XF	893	.	44.7	1.11	83.3	33.9	4.5	8.0
Deltapine	DP 1646 B2XF	1043	1104	43.8	1.18	83.3	30.2	4.7	7.2
Deltapine	DP 1725 B2XF	1091	.	44.8	1.13	82.7	30.4	4.7	7.6
Deltapine	DP 1823NR B2XF	862	.	43.9	1.14	83.4	32.4	4.5	7.9
Deltapine	DP 1916 B3XF	1079	.	44.3	1.10	82.9	32.4	4.8	8.3
Deltapine	DP 2055 B3XF	1054	.	44.5	1.17	82.9	31.2	4.7	7.6
Dyna-Gro	DG 3402 B3XF	1079	.	42.0	1.16	83.1	32.1	4.5	7.9
Dyna-Gro	DG 3470 B3XF	924	.	43.0	1.13	83.2	31.4	4.9	8.1
Dyna-Gro	DG 3520 B3XF	<b>1153</b>	.	41.6	1.21	84.9	33.8	4.0	7.4
Dyna-Gro	DG 3555 B3XF	<b>1186</b>	.	42.9	1.17	84.6	32.8	4.4	7.7
Dyna-Gro	DG 3560 B2XF	1081	<b>1153</b>	44.8	1.20	84.7	36.0	5.2	8.3
Dyna-Gro	DGX 18503B B3XF	<b>1274</b>	.	44.2	1.13	82.1	31.5	4.7	8.1
Dyna-Gro	Halo 959 B3XF	<b>1233</b>	.	41.6	1.15	82.3	32.0	4.5	8.0
Phytogen	PHY 340 W3FE	1034	<b>1140</b>	44.4	1.13	83.7	31.0	4.6	8.3
Phytogen	PHY 350 W3FE	964	.	42.9	1.13	83.8	31.8	4.5	8.1
Phytogen	PHY 400 W3FE	1136	.	43.6	1.15	83.0	32.9	4.3	7.8
Phytogen	PHY 480 W3FE	1040	1100	43.1	1.10	84.2	31.5	4.6	8.1
Phytogen	PHY 500 W3FE <sup>1</sup>	<b>1162</b>	<b>1169</b>	44.8	1.14	83.2	34.7	4.4	7.7
Phytogen	PHY 580 W3FE <sup>1</sup>	1147	<b>1209</b>	46.2	1.10	83.1	31.5	4.5	7.8
Phytogen	PX3C06W3FE	1138	<b>1190</b>	43.6	1.14	83.1	30.6	4.6	7.0
Phytogen	PX3D32W3FE	1123	.	42.3	1.18	83.1	33.3	4.5	8.3
Phytogen	PX3D43W3FE	1051	.	43.2	1.10	83.7	32.9	4.7	8.3
Phytogen	PX5C05W3FE <sup>1</sup>	1080	.	46.6	1.06	83.4	30.8	4.8	8.1
Phytogen	PX5C45W3FE <sup>1</sup>	1142	.	45.3	1.09	83.1	31.1	4.6	7.9
Phytogen	PX5E28W3FE <sup>1</sup>	1108	.	42.7	1.14	83.4	33.8	4.2	7.5
Phytogen	PX5E34W3FE <sup>1</sup>	996	.	40.8	1.13	83.5	33.6	4.2	7.5
Seed Source Genetics	SSG HQ 210 CT	776	870	39.6	1.06	82.2	31.1	4.9	7.5
Seed Source Genetics	SSG UA 114	913	957	40.7	1.16	85.1	33.6	4.8	7.5
Seed Source Genetics	SSG UA 222	977	1008	40.4	1.14	83.6	31.4	4.6	7.5
Stoneville	BX 2076GLTP	1110	<b>1184</b>	43.8	1.12	82.7	32.7	5.1	7.7
Stoneville	ST 4550GLTP	1069	1113	45.2	1.12	83.8	32.0	4.8	8.3
Stoneville	ST 5471GLTP	1103	<b>1142</b>	41.6	1.11	82.0	30.8	4.6	7.4
Stoneville	ST 5600B2XF	946	.	43.6	1.11	83.7	32.1	5.3	8.6
Stoneville	ST 5707B2XF	989	.	39.4	1.16	83.9	35.0	4.9	8.2
Stoneville	ST 5818GLT	1087	1099	41.6	1.11	82.0	31.7	4.6	7.1
Stoneville	ST 6182GLT	1123	1125	46.4	1.10	83.2	29.5	4.9	8.0
UGA	GA 2016006	732	.	42.6	1.15	83.3	32.1	4.5	7.4
UGA	GA 2016016	899	.	41.9	1.17	82.4	33.1	4.5	7.7
UGA	GA 2016029	958	.	43.7	1.16	83.3	33.1	4.8	7.7
UGA	GA 2016058	662	.	41.2	1.19	83.4	32.9	4.4	7.6

## Lint Grade Summary of Cotton Varieties, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield		2019 Fiber Characteristics					
		2019	2-Yr Avg	Lint	Length	Uniformity	Strength	Micronaire	Yellowness
		---- lb/acre ----		%	inches	%	g/tex	units	grade
UGA	GA 2016060	917	.	41.8	1.16	83.7	33.0	4.8	7.5
UGA	GA 2016090	855	.	42.0	1.16	83.7	32.9	4.4	7.5
Average		1028	1102	43.0	1.14	83.3	32.1	4.6	7.8
LSD at 10% Level		121	100	1.0	0.02	0.7	1.1	0.2	0.3
Model R-square		0.81	0.76	0.87	0.79	0.64	0.71	0.65	0.71
<b>Mid and Full-Season Environments</b>									
Americot	NG 3729 B2XF	1119	<b>1126</b>	41.7	1.12	82.7	30.3	4.9	7.6
Americot	NG 4936 B3XF	1011	.	42.3	1.15	83.9	31.3	4.7	7.3
Americot	NG 5711 B3XF	1058	<b>1093</b>	43.3	1.13	82.6	30.9	4.5	7.8
Croplan	CP 3885 B2XF	1181	<b>1145</b>	44.5	1.09	82.7	29.8	4.9	8.2
Croplan	CP 9608 B3XF	1155	<b>1155</b>	45.5	1.11	82.7	29.1	4.7	7.8
Croplan	CP 9830 B3XF	1057	.	45.5	1.18	82.8	31.5	4.6	7.5
Deltapine	DP 1555 B2RF	1256	<b>1245</b>	45.9	1.12	82.6	31.7	4.8	7.8
Deltapine	DP 1646 B2XF	1167	<b>1187</b>	44.9	1.16	83.0	31.0	4.9	7.3
Deltapine	DP 1835 B3XF	1193	<b>1143</b>	44.8	1.11	82.6	30.6	4.9	7.8
Deltapine	DP 1840 B3XF	1163	<b>1130</b>	43.0	1.13	82.5	31.2	4.7	7.6
Deltapine	DP 1851 B3XF	1216	<b>1185</b>	45.4	1.11	83.0	33.0	4.9	7.8
Deltapine	DP 2055 B3XF	1156	.	45.2	1.16	82.2	31.3	4.8	7.4
Dyna-Gro	DG 3526 B2XF	1061	<b>1074</b>	45.3	1.12	83.3	30.9	4.8	8.1
Dyna-Gro	DG 3560 B2XF	1245	<b>1263</b>	45.1	1.18	83.8	35.0	5.1	8.1
Dyna-Gro	DG 3605 B2XF	1064	<b>1074</b>	44.5	1.15	82.2	30.7	4.6	7.4
Dyna-Gro	DG 3615 B3XF	1194	<b>1237</b>	43.2	1.14	83.4	33.0	4.8	8.1
Dyna-Gro	DG 3757 B2XF	1276	.	45.5	1.09	82.7	28.5	5.0	8.3
Dyna-Gro	DG 3799 B3XF	<b>1432</b>	.	44.4	1.15	82.6	32.3	4.6	7.7
Phytogen	PHY 340 W3FE	1102	<b>1185</b>	44.9	1.11	82.9	31.3	4.7	8.0
Phytogen	PHY 350 W3FE	1026	.	43.8	1.14	83.6	31.5	4.7	8.0
Phytogen	PHY 400 W3FE	1162	.	43.8	1.13	82.7	31.8	4.5	7.9
Phytogen	PHY 480 W3FE	1118	<b>1152</b>	43.6	1.10	83.3	31.8	4.6	8.1
Phytogen	PHY 500 W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX3C06W3FE	1155	<b>1199</b>	43.7	1.11	82.1	30.1	4.8	7.2
Phytogen	PX3D32W3FE	1199	.	43.4	1.17	83.5	32.5	4.6	8.2
Phytogen	PX3D43W3FE	1137	.	44.6	1.09	83.4	32.4	4.8	8.2
Phytogen	PX5C05W3FF <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>1</sup>	.	.	.	.	.	.	.	.
Stoneville	BX 2076GLTP	1139	<b>1203</b>	44.3	1.13	82.8	32.5	5.1	7.6
Stoneville	ST 4550GLTP	1193	<b>1195</b>	44.9	1.12	83.3	32.1	4.8	8.1
Stoneville	ST 5471GLTP	1086	<b>1131</b>	43.0	1.09	81.5	30.6	4.7	7.4
Stoneville	ST 5600B2XF	1038	.	43.6	1.12	83.4	32.5	5.2	8.4
Stoneville	ST 5707B2XF	1165	.	40.6	1.13	83.1	33.3	5.0	8.3
Stoneville	ST 5818GLT	1158	<b>1147</b>	42.6	1.10	82.0	31.1	4.7	7.2
Stoneville	ST 6182GLT	1141	<b>1137</b>	45.8	1.10	83.0	29.9	4.8	7.7
UGA	GA 2016006	829	.	43.6	1.15	82.9	32.8	4.8	7.5
UGA	GA 2016016	880	.	43.6	1.14	82.7	33.2	4.8	7.6
UGA	GA 2016029	1072	.	44.2	1.17	82.6	33.6	4.8	7.7
UGA	GA 2016058	877	.	42.3	1.15	83.1	31.8	4.7	7.6
UGA	GA 2016060	942	.	42.8	1.13	83.0	31.6	4.8	7.7
UGA	GA 2016090	875	.	42.6	1.15	83.1	34.0	4.6	7.6
Average		1113	1162	44.0	1.13	82.9	31.6	4.8	7.8
LSD at 10% Level		135	NS	1.3	0.03	0.8	1.4	0.2	0.3
Model R-square		0.65	0.62	0.51	0.61	0.45	0.49	0.43	0.50

1. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.

## Yield Summary of Cotton Strains, 2019, Irrigated

Variety	Lint Yield				Fiber Quality <sup>2</sup>					
	Tifton	Midville	Plains	All-locations	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
	-----lb/acre-----				%	inches	%	g/tex	units	grade
DGX 19051 B3XF	<b>1956</b>	<b>2676</b>	<b>1153</b>	<b>1928</b>	46.3	1.17	82.8	32.1	4.4	7.5
DGX 19010 B3XF	<b>1770</b>	2348	<b>1289</b>	<b>1802</b>	45.8	1.23	82.2	30.9	4.3	6.7
DGX 19735 GLTP	<b>1813</b>	2079	<b>1316</b>	1736	44.2	1.16	83.0	30.3	4.5	7.5
DGX 1901 GLTP	<b>1868</b>	2017	<b>1278</b>	1721	44.8	1.15	83.4	30.6	4.7	7.4
DGX 19731 GLTP	1621	2225	<b>1293</b>	1713	42.4	1.19	83.0	31.7	4.6	7.2
DGX 19008 B3XF	<b>1826</b>	2212	1059	1687	46.3	1.20	83.2	31.2	4.5	6.8
DGX 19523 B3XF	1582	2413	1059	1685	44.7	1.13	83.2	29.5	4.6	7.9
DGX 19003 B3XF	1643	2095	<b>1298</b>	1682	43.5	1.11	83.1	30.2	4.8	7.2
GA 2015026	1352	2149	1098	1533	42.9	1.21	83.2	33.3	4.6	6.9
GA 2015046	1543	1765	<b>1197</b>	1529	40.2	1.18	83.7	33.2	4.3	7.2
DGX 19525 B3XF	1537	1990	859	1462	44.7	1.17	84.0	32.8	5.0	7.3
GA 2016103	1683	1774	924	1440	42.4	1.18	83.8	33.6	4.8	7.0
DGX 19015 B3XF	1425	1673	1128	1434	41.4	1.16	83.5	32.3	4.6	7.3
GA 2015018	1403	1770	1083	1420	41.8	1.17	84.7	31.0	4.8	6.9
GA 2015068	1470	1634	978	1350	41.3	1.17	83.8	32.7	4.5	7.5
DGX 19006 B3XF	1337	1703	961	1333	39.9	1.15	82.8	30.2	4.4	6.6
DGX 19004 B3XF	1272	1467	<b>1150</b>	1296	41.8	1.17	83.0	29.4	4.6	7.4
GA 2016110	1393	1460	897	1250	41.1	1.19	84.4	34.6	4.9	7.1
Average	1581	1969	1111	1557	43.1	1.17	83.4	31.6	4.6	7.2
LSD at 10% Level	271	176	188	133	1.0	0.03	0.9	1.2	0.2	0.4
Model R-square	0.56	0.87	0.68	0.87	0.89	0.73	0.65	0.80	0.83	0.78
CV %	13.8%	7.5%	14.0%	12.4%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

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

## Bainbridge, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
		Yield	Yield	Lint <sup>1</sup>	Length	Uniformity	Strength	Micronaire	Yellowness <sup>3</sup>
		---- lb/acre ----	----	%	inches	%	g/tex	units	grade
<b>Mid-Season Environment</b>									
Dyna-Gro	DG 3615 B3XF	<b>2556</b>	5627	45.4	1.15	84.1	31.7	5.0	8.5
Deltapine	DP 2055 B3XF	<b>2550</b>	5622	45.4	1.20	84.2	32.6	5.1	7.7
Dyna-Gro	DG 3799 B3XF	<b>2459</b>	5462	45.0	1.16	84.4	32.4	5.2	9.2
Phytogen	PX5C45W3FE	<b>2371</b>	5081	46.7	1.13	86.0	32.6	5.2	8.5
Dyna-Gro	DG 3757 B2XF	<b>2353</b>	5309	44.3	1.17	85.9	30.9	4.9	8.8
Phytogen	PHY 580 W3FE	<b>2330</b>	4944	47.1	1.13	84.9	32.5	5.1	8.0
UGA	GA 2016016	<b>2321</b>	5225	44.4	1.18	84.5	32.8	5.4	7.7
Croplan	CP 3885 B2XF	<b>2317</b>	4991	46.4	1.15	85.8	31.1	5.3	8.8
Stoneville	ST 6182GLT	<b>2306</b>	4982	46.3	1.17	85.3	31.5	4.9	7.9
Phytogen	PX5C05W3FE	<b>2300</b>	4786	48.1	1.12	85.2	32.2	5.3	9.0
Dyna-Gro	DGX 18503B B3XF	<b>2293</b>	5256	43.6	1.18	85.4	35.1	4.8	8.8
Croplan	CP 9608 B3XF	2266	4933	45.9	1.15	84.5	31.1	4.8	8.6
Deltapine	DP 1835 B3XF	2242	4914	45.6	1.19	85.6	34.2	5.2	8.8
Americot	AMX 19A005 B3XF	2224	4846	45.9	1.16	85.5	30.4	4.9	7.5
Deltapine	DP 1916 B3XF	2223	4910	45.3	1.16	84.7	33.1	5.0	8.1
Deltapine	DP 1851 B3XF	2200	4902	44.9	1.18	85.6	34.9	4.9	8.6
Phytogen	PX5E34W3FE	2191	5105	42.9	1.18	85.9	33.5	4.5	7.5
Phytogen	PHY 500 W3FE	2188	4791	45.7	1.14	84.7	34.8	5.0	8.5
UGA	GA 2016029	2140	4832	44.3	1.23	85.8	36.9	4.7	7.4
Deltapine	DP 1840 B3XF	2136	5036	42.4	1.21	84.7	31.2	5.0	7.8
Dyna-Gro	DG 3526 B2XF	2124	4753	44.7	1.13	85.5	29.8	5.3	8.2
Phytogen	PX5E28W3FE	2124	5044	42.1	1.19	85.7	32.7	4.5	7.2
Deltapine	DP 1555 B2RF	2118	4647	45.6	1.17	85.4	34.1	5.2	8.2
Croplan	CP 9178 B3XF	2115	4634	45.6	1.15	85.4	34.3	5.2	8.5
Stoneville	ST 4550GLTP	2103	4588	45.8	1.15	85.1	34.2	5.0	8.1
Stoneville	ST 5600B2XF	2097	4779	43.9	1.19	86.3	34.7	5.7	8.6
Americot	NG 4936 B3XF	2090	4756	44.0	1.21	85.7	31.6	5.1	6.8
Americot	NG 5711 B3XF	2088	4832	43.2	1.20	84.9	32.3	4.8	8.0
Phytogen	PHY 400 W3FE	2088	4586	45.5	1.17	84.8	32.5	4.6	7.8
Deltapine	DP 1725 B2XF	2065	4482	46.1	1.17	84.6	30.8	4.8	7.2
Deltapine	DP 1646 B2XF	2063	4489	46.0	1.22	85.1	31.0	5.0	7.5
Dyna-Gro	DG 3605 B2XF	2061	4576	45.1	1.26	85.5	30.8	4.9	7.6
Croplan	CP 9210 B3XF	2043	4540	45.0	1.17	85.2	32.8	5.4	8.4
Dyna-Gro	DG 3470 B3XF	2038	4567	44.6	1.16	84.7	32.4	5.5	8.6
Phytogen	PHY 480 W3FE	2033	4608	44.1	1.17	85.3	31.3	4.8	8.8
Americot	NG 3729 B2XF	2030	4622	43.9	1.19	85.4	32.0	5.1	8.2
Americot	AMX 19A006 B3XF	2028	4971	40.8	1.25	84.9	36.7	4.3	8.2
Phytogen	PX3D43W3FE	2010	4466	45.0	1.14	85.4	34.8	5.0	8.1
Americot	NG 3522 B2XF	2001	4526	44.2	1.12	84.6	27.9	5.3	8.1
Dyna-Gro	Halo 959 B3XF	1988	4657	42.7	1.19	84.6	34.6	4.6	8.5
Deltapine	18R628NRB3XF	1983	4236	46.8	1.15	84.8	34.1	5.2	8.2
UGA	GA 2016090	1957	4564	42.9	1.21	85.7	34.9	4.9	7.6
Dyna-Gro	DG 3560 B2XF	1950	4374	44.6	1.24	86.2	36.5	5.3	8.3
Dyna-Gro	DG 3555 B3XF	1950	4550	42.9	1.21	85.8	33.1	4.4	8.1
Americot	NG 3930 B3XF	1946	4513	43.1	1.18	86.3	31.3	5.1	8.4
Americot	AMX 1818 B3XF	1945	4637	41.9	1.19	85.9	35.2	4.9	8.0
Stoneville	ST 5471GLTP	1941	4501	43.1	1.19	84.9	31.8	5.0	7.5
Seed Source Genetics	SSG UA 222	1932	4568	42.3	1.20	86.8	34.4	5.0	7.7
Phytogen	PHY 340 W3FE	1912	4277	44.7	1.15	85.1	32.4	4.9	7.7
UGA	GA 2016060	1910	4428	43.1	1.22	85.6	34.7	5.1	7.1

## Bainbridge, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Croplan	CP 9830 B3XF	1897	4147	45.8	1.26	85.2	30.8	5.0	7.9
Stoneville	BX 2076GLTP	1872	4240	44.2	1.17	83.7	33.2	5.8	8.0
Stoneville	ST 5818GLT	1869	4417	42.3	1.19	84.3	34.4	4.6	7.1
Americot	AMX 1816 B3XF	1856	4709	39.4	1.20	85.3	32.1	4.3	7.4
Dyna-Gro	DG 3402 B3XF	1855	4070	45.6	1.19	85.6	32.7	4.7	8.2
Phytogen	PX3D32W3FE	1854	4227	43.9	1.21	85.8	34.3	4.6	8.1
Phytogen	PHY 350 W3FE	1852	4279	43.3	1.15	84.9	31.9	5.0	8.0
Deltapine	DP 1823NR B2XF	1842	4090	45.1	1.18	86.0	33.8	4.8	8.1
Stoneville	ST 5707B2XF	1822	4507	40.4	1.20	86.2	37.1	5.3	9.0
Dyna-Gro	DG 3520 B3XF	1814	4363	41.6	1.25	86.6	33.3	4.4	8.5
Americot	NG 3994 B3XF	1805	4047	44.6	1.19	84.9	31.2	5.0	8.0
Americot	AMX 1828 B3XF	1786	4204	42.5	1.21	86.1	31.7	5.0	8.1
Seed Source Genetics	SSG UA 114	1776	4461	39.8	1.17	86.4	34.1	5.4	7.9
UGA	GA 2016058	1756	4236	41.5	1.21	85.0	33.8	4.7	7.6
Phytogen	PX3C06W3FE	1714	3853	44.5	1.15	84.2	31.5	5.1	6.2
Seed Source Genetics	SSG HQ 210 CT	1659	4127	40.2	1.12	84.2	32.0	5.1	7.2
UGA	GA 2016006	1413	3176	44.5	1.19	85.1	33.1	4.7	7.1
Average		2041	4625	44.2	1.18	85.3	32.9	5.0	8.0
LSD at 10% Level		268	609	1.7	0.04	NS	2.0	0.4	0.6
Model R-square		0.60	0.54	0.87	0.80	0.57	0.81	0.72	0.86
CV %		11.1%	11.1%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

"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 14, 2019.

Harvested: October 7, 2019.

May June July Aug. Sept.

Irrigation (in): ----- unknown -----

Rainfall (in): 2.5 1.8 4.4 9.1 0.5

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

\*James Judson Greene passed away on December 27th, 2019. He hosted our yield trials on his farm for many years, providing expert management and quality results to share for the advantage of other Georgia cotton producers. He will be missed by all who knew him.



## Midville, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
<b>Mid-Season Environment</b>									
Dyna-Gro	DG 3799 B3XF	<b>2531</b>	5518	45.9	1.17	83.2	34.5	4.7	7.6
Dyna-Gro	DG 3615 B3XF	<b>2518</b>	5675	44.4	1.15	83.0	33.6	5.0	7.9
Dyna-Gro	DG 3555 B3XF	<b>2372</b>	5361	44.2	1.19	83.2	31.7	4.1	7.1
Dyna-Gro	Halo 959 B3XF	2251	5282	42.6	1.17	82.6	34.1	4.6	7.4
Dyna-Gro	DGX 18503B B3XF	2240	4997	44.8	1.17	82.9	32.8	4.8	7.6
Croplan	CP 9210 B3XF	2225	4937	45.1	1.13	82.9	31.8	5.0	7.8
Deltapine	DP 1646 B2XF	2186	4816	45.4	1.19	83.1	29.6	4.6	6.9
Deltapine	DP 1916 B3XF	2134	4756	44.9	1.11	83.2	32.8	4.4	8.1
Stoneville	BX 2076GLTP	2132	4635	46.0	1.13	83.3	35.1	5.0	7.6
Phytogen	PX5C45W3FE	2129	4671	45.6	1.10	82.0	30.7	4.7	7.7
Phytogen	PX5C05W3FE	2097	4507	46.5	1.07	82.6	30.7	4.6	7.8
Americot	NG 5711 B3XF	2086	5066	41.2	1.15	82.4	32.1	4.6	7.1
Phytogen	PHY 480 W3FE	2079	4725	44.0	1.13	84.1	32.4	4.3	7.4
Dyna-Gro	DG 3520 B3XF	2078	4822	43.1	1.21	82.9	33.8	4.4	7.3
Phytogen	PHY 400 W3FE	2076	4798	43.3	1.14	82.1	32.3	4.2	6.9
Phytogen	PX3C06W3FE	2052	4816	42.6	1.15	81.8	31.1	4.3	6.8
Phytogen	PHY 500 W3FE	2047	4582	44.7	1.08	81.9	32.2	4.1	7.5
UGA	GA 2016016	2033	4592	44.3	1.19	83.4	33.8	4.9	7.2
Phytogen	PX3D32W3FE	2032	4598	44.2	1.17	83.1	33.4	4.5	7.9
Dyna-Gro	DG 3560 B2XF	2027	4350	46.6	1.23	84.9	36.7	4.5	7.5
Dyna-Gro	DG 3402 B3XF	2023	4759	42.5	1.18	83.4	31.3	3.9	7.2
Dyna-Gro	DG 3470 B3XF	2015	4725	42.6	1.12	82.8	31.6	4.8	7.9
Phytogen	PX3D43W3FE	2009	4610	43.6	1.13	83.1	34.6	4.4	7.5
Dyna-Gro	DG 3605 B2XF	2008	4374	45.9	1.21	82.6	31.1	4.4	6.8
Stoneville	ST 4550GLTP	2007	4507	44.5	1.09	83.1	30.9	4.8	7.8
Deltapine	DP 1555 B2RF	2000	4465	44.8	1.16	83.0	33.2	4.5	7.1
Americot	AMX 19A006 B3XF	1999	4810	41.6	1.20	82.7	37.2	4.5	7.3
Stoneville	ST 5818GLT	1971	4822	40.9	1.12	82.3	30.4	4.6	6.6
Americot	NG 4936 B3XF	1969	4713	41.8	1.16	83.0	33.6	4.5	6.5
Americot	AMX 19A005 B3XF	1968	4396	44.8	1.14	83.2	30.7	4.8	7.1
Stoneville	ST 5707B2XF	1965	4949	39.7	1.16	84.1	35.1	4.8	7.4
Croplan	CP 3885 B2XF	1962	4477	43.8	1.10	83.3	28.6	4.7	7.9
Stoneville	ST 5600B2XF	1961	4469	43.9	1.13	83.7	31.6	5.1	7.7
Deltapine	DP 1835 B3XF	1960	4241	46.2	1.16	83.5	32.3	4.8	7.2
UGA	GA 2016029	1947	4513	43.1	1.21	84.0	35.4	4.6	7.3
Deltapine	DP 1725 B2XF	1941	4277	45.4	1.10	81.3	29.7	4.5	7.1
Stoneville	ST 5471GLTP	1923	4471	43.0	1.14	82.6	32.8	4.6	6.9
Americot	NG 3729 B2XF	1906	4598	41.5	1.15	82.8	29.9	4.6	7.0
Deltapine	18R628NRB3XF	1904	4223	45.1	1.13	82.9	34.0	4.3	7.6
Deltapine	DP 1840 B3XF	1892	4483	42.2	1.19	82.9	32.7	4.3	7.5
Deltapine	DP 2055 B3XF	1879	4120	45.6	1.20	82.4	32.1	4.5	6.7
UGA	GA 2016060	1867	4423	42.2	1.19	83.5	34.6	4.6	6.9
Americot	NG 3994 B3XF	1856	4018	46.2	1.11	82.3	29.8	4.9	8.1
Americot	AMX 1828 B3XF	1845	4324	42.7	1.15	84.1	32.6	4.7	7.5
Croplan	CP 9178 B3XF	1835	4084	44.9	1.12	83.7	34.4	4.8	7.8
Croplan	CP 9830 B3XF	1830	3890	47.0	1.26	83.1	33.6	4.4	7.1
Deltapine	DP 1851 B3XF	1815	4138	43.9	1.12	83.3	35.0	4.3	7.5
Americot	AMX 1818 B3XF	1809	4181	43.3	1.13	83.4	33.8	4.6	7.2
Phytogen	PX5E28W3FE	1808	4399	41.1	1.12	83.0	33.1	3.9	6.7
Americot	NG 3930 B3XF	1806	4574	39.5	1.13	82.1	30.5	4.3	7.3

## Midville, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Phytogen	PHY 340 W3FE	1797	4114	43.7	1.15	84.2	35.1	4.5	7.5
UGA	GA 2016090	1791	4229	42.4	1.15	83.3	34.3	4.6	7.2
Croplan	CP 9608 B3XF	1783	3830	46.6	1.11	82.5	29.7	4.7	7.4
Seed Source Genetics	SSG UA 222	1782	4689	39.7	1.17	84.5	31.7	4.5	7.4
Stoneville	ST 6182GLT	1776	3848	46.2	1.12	82.2	29.7	4.3	7.3
Americot	NG 3522 B2XF	1773	4229	41.9	1.07	81.3	28.5	4.5	7.6
Dyna-Gro	DG 3526 B2XF	1773	3872	45.8	1.10	83.3	29.3	4.6	7.5
Phytogen	PHY 580 W3FE	1766	4072	43.4	1.12	83.2	31.1	4.7	7.8
Deltapine	DP 1823NR B2XF	1759	4072	43.2	1.15	83.9	32.1	4.4	7.5
UGA	GA 2016006	1756	4096	42.9	1.17	82.8	33.3	4.3	7.0
Seed Source Genetics	SSG UA 114	1736	4289	40.5	1.17	84.2	35.3	4.7	7.2
UGA	GA 2016058	1729	4072	42.5	1.19	83.1	34.1	4.5	7.2
Phytogen	PHY 350 W3FE	1691	4078	41.5	1.12	83.4	32.8	4.5	7.4
Dyna-Gro	DG 3757 B2XF	1651	3866	42.7	1.14	83.4	29.7	4.6	7.9
Phytogen	PX5E34W3FE	1635	4060	40.3	1.14	83.1	33.0	3.9	7.0
Seed Source Genetics	SSG HQ 210 CT	1589	4114	38.6	1.06	80.9	31.1	4.4	7.0
Americot	AMX 1816 B3XF	1560	4170	37.4	1.13	82.4	31.8	4.0	7.3
Average		1944	4476	43.5	1.15	83.0	32.4	4.5	7.3
LSD at 10% Level		206	476	2.1	0.05	1.1	2.2	0.3	0.5
Model R-square		0.64	0.59	0.85	0.81	0.71	0.81	0.77	0.77
CV %		8.9%	8.9%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

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

Planted: May 6, 2019.

Harvested: October 10, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Peanuts.

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

Fertilization: 30 lb N, 90 lb P, and 84 lb K/acre. Sidedress: 80 lb N/acre.

Management: Conventional tillage. Pendimethalin, Liberty, Reflex, Diuron, Staple, Gramoxone, Valor, MSMA, and Envoke used for weed control. Bidrin and acephate used for insect control. Mepiquat used for PGR. Folex, Dropp and Ethephon used for defoliation. Telone used for nematode control.

May June July Aug. Sept. Oct.

Irrigation (in): 3.5 1.5 4.1 1.3 0.0 0.0

Rainfall (in): 1.8 3.3 2.5 5.5 0.5 0.0

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

## Plains, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint	Seed Cot.	Fiber Quality <sup>2</sup>					
		Yield lb/acre	Yield lb/acre	Lint <sup>1</sup> %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
<b>Short-Season Environment</b>									
Croplan	CP 9178 B3XF	1777	4035	44.1	1.19	84.2	35.4	5.0	8.1
Croplan	CP 9210 B3XF	1777	4035	44.0	1.19	83.9	32.1	4.9	7.9
UGA	GA 2016029	1687	4060	41.6	1.29	85.4	35.7	4.8	8.0
Stoneville	ST 5818GLT	1684	4175	40.3	1.19	83.5	33.0	4.3	7.0
Phytogen	PX5C05W3FE	1669	3709	45.0	1.13	84.1	34.1	4.8	7.8
Dyna-Gro	DG 3402 B3XF	1656	4005	41.4	1.21	84.5	31.4	4.2	7.7
Dyna-Gro	DG 3560 B2XF	1645	3800	43.3	1.28	85.7	35.9	5.0	7.4
Americot	NG 4936 B3XF	1644	4041	40.7	1.24	85.6	30.8	4.6	6.3
Dyna-Gro	DGX 18503B B3XF	1638	3908	41.9	1.21	83.1	33.0	4.1	7.9
Phytogen	PX5C45W3FE	1618	3727	43.4	1.17	84.5	32.7	4.6	7.7
Americot	NG 3729 B2XF	1612	3951	40.8	1.21	84.7	31.0	4.9	7.5
Stoneville	BX 2076GLTP	1606	3817	42.1	1.19	83.7	34.1	4.8	7.5
Phytogen	PX3D43W3FE	1605	3781	42.5	1.17	84.9	36.1	4.4	8.7
Croplan	CP 9608 B3XF	1602	3582	44.7	1.19	82.9	30.2	4.3	7.4
Americot	NG 3522 B2XF	1598	3854	41.5	1.12	82.4	28.5	4.6	8.1
Deltapine	DP 1646 B2XF	1576	3654	43.1	1.21	84.0	30.1	4.4	7.0
Phytogen	PX5E34W3FE	1572	3963	39.7	1.21	85.2	34.3	4.0	7.2
Stoneville	ST 4550GLTP	1570	3521	44.6	1.17	84.5	32.3	4.5	8.1
Phytogen	PHY 480 W3FE	1564	3709	42.2	1.17	84.6	32.4	4.3	7.9
Dyna-Gro	DG 3555 B3XF	1557	3854	40.4	1.23	85.6	32.5	4.2	6.9
Stoneville	ST 5471GLTP	1557	3775	41.2	1.15	82.6	31.0	4.2	7.0
Phytogen	PHY 580 W3FE	1549	3521	44.0	1.14	84.1	33.1	4.5	7.6
Deltapine	DP 1725 B2XF	1548	3503	44.2	1.20	84.0	30.7	4.7	7.1
Dyna-Gro	DG 3470 B3XF	1546	3527	43.8	1.15	83.8	31.8	4.9	8.1
Phytogen	PX3D32W3FE	1542	3763	41.0	1.22	84.6	34.5	4.5	9.3
Americot	NG 3994 B3XF	1535	3449	44.5	1.20	83.6	32.2	4.9	7.8
Deltapine	DP 1916 B3XF	1534	3546	43.3	1.20	84.0	34.4	4.7	7.8
Deltapine	DP 1823NR B2XF	1520	3515	43.2	1.21	85.4	34.0	4.4	7.7
Phytogen	PHY 350 W3FE	1505	3733	40.3	1.21	84.7	32.5	4.8	7.8
Americot	AMX 19A006 B3XF	1505	3799	39.6	1.25	83.5	36.2	4.1	7.5
Stoneville	ST 6182GLT	1504	3297	45.6	1.19	85.1	30.2	4.9	8.3
Phytogen	PHY 500 W3FE	1495	3473	43.1	1.19	83.4	34.1	4.1	7.3
Stoneville	ST 5600B2XF	1494	3521	42.4	1.21	85.1	34.6	5.1	8.4
Americot	AMX 1828 B3XF	1484	3509	42.3	1.19	84.3	33.7	4.9	7.7
Americot	AMX 1816 B3XF	1473	3884	37.9	1.23	83.8	32.0	4.3	6.9
Phytogen	PHY 340 W3FE	1466	3364	43.6	1.18	84.5	33.0	4.8	8.0
Americot	AMX 19A005 B3XF	1450	3479	41.7	1.19	84.5	31.5	4.5	7.4
UGA	GA 2016058	1434	3624	39.6	1.24	84.3	32.1	4.2	7.9
Phytogen	PHY 400 W3FE	1424	3346	42.6	1.19	84.1	33.6	4.5	7.5
Americot	NG 5711 B3XF	1406	3291	42.7	1.21	83.7	33.0	4.3	7.5
Dyna-Gro	Halo 959 B3XF	1395	3443	40.5	1.21	83.2	34.2	4.2	8.1
Dyna-Gro	DG 3520 B3XF	1388	3491	39.8	1.28	85.1	32.0	4.0	7.0
Phytogen	PX3C06W3FE	1377	3243	42.5	1.19	84.2	31.9	5.0	7.3
UGA	GA 2016090	1376	3394	40.6	1.26	83.9	35.8	4.3	7.9
Phytogen	PX5E28W3FE	1372	3473	39.5	1.23	85.3	33.0	4.0	7.4
Americot	NG 3930 B3XF	1370	3431	39.9	1.22	84.2	30.9	4.6	8.3
Seed Source Genetics	SSG HQ 210 CT	1367	3563	38.4	1.15	84.0	32.3	4.8	7.0
Stoneville	ST 5707B2XF	1361	3564	38.2	1.19	84.4	34.0	4.8	7.6
Americot	AMX 1818 B3XF	1309	3279	39.9	1.23	84.5	34.1	4.6	7.8
UGA	GA 2016016	1271	3140	40.5	1.22	84.0	35.7	4.9	7.7

## Plains, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
Deltapine	18R628NRB3XF	1264	2923	43.3	1.15	83.5	35.1	5.0	8.3
UGA	GA 2016006	1264	2977	42.5	1.21	84.5	34.3	4.6	7.2
Seed Source Genetics	SSG UA 222	1262	3134	40.3	1.23	85.6	31.4	4.9	8.1
Deltapine	DP 2055 B3XF	1240	2807	44.2	1.22	83.9	31.3	4.6	7.0
UGA	GA 2016060	1202	2892	41.6	1.23	84.5	35.0	4.8	8.2
Seed Source Genetics	SSG UA 114	1105	2952	37.4	1.21	86.1	34.6	5.0	8.1
Average		1492	3568	41.8	1.20	84.3	33.0	4.6	7.7
LSD at 10% Level		292	NS	1.1	0.04	1.0	2.1	0.3	0.6
Model R-square		0.33	0.30	0.95	0.83	0.77	0.81	0.83	0.80
CV %		16.7%	16.7%						
<b>Full-Season Environment</b>									
Phytogen	PHY 400 W3FE	<b>1272</b>	2904	43.8	1.17	84.1	34.9	4.8	7.9
Stoneville	ST 6182GLT	<b>1237</b>	2729	45.3	1.13	82.2	31.0	5.1	8.1
Stoneville	ST 5600B2XF	<b>1233</b>	2848	43.3	1.17	83.4	33.7	5.6	8.4
Dyna-Gro	DG 3615 B3XF	<b>1227</b>	2759	44.5	1.13	81.8	32.6	4.9	8.3
Phytogen	PX3D32W3FE	<b>1217</b>	2808	43.3	1.12	82.4	33.0	4.8	8.6
Phytogen	PHY 480 W3FE	<b>1203</b>	2904	41.4	1.17	84.5	32.5	4.7	8.2
Phytogen	PX3D43W3FE	<b>1170</b>	2686	43.5	1.07	82.6	32.7	5.0	8.8
Dyna-Gro	DG 3799 B3XF	<b>1148</b>	2662	43.1	1.17	82.5	32.9	4.9	7.9
Croplan	CP 3885 B2XF	<b>1105</b>	2571	43.0	1.12	83.8	30.5	4.9	8.2
Dyna-Gro	DG 3560 B2XF	<b>1103</b>	2535	43.5	1.21	85.3	36.2	5.1	8.0
Deltapine	DP 2055 B3XF	<b>1102</b>	2475	44.5	1.18	83.4	31.2	5.0	7.6
Phytogen	PHY 350 W3FE	<b>1099</b>	2632	41.8	1.14	84.3	33.4	5.0	8.0
Dyna-Gro	DG 3605 B2XF	<b>1073</b>	2438	44.0	1.21	83.4	30.9	4.9	7.8
Stoneville	ST 4550GLTP	1067	2396	44.5	1.06	82.0	29.8	4.8	8.4
Americot	NG 5711 B3XF	1056	2493	42.4	1.17	82.9	32.2	4.9	7.4
Stoneville	ST 5707B2XF	1044	2710	38.5	1.18	84.6	34.5	5.3	8.9
Phytogen	PX3C06W3FE	1042	2426	42.9	1.12	82.8	31.0	4.9	7.3
Deltapine	DP 1835 B3XF	1032	2291	45.1	1.13	82.3	32.1	4.9	7.8
Deltapine	DP 1646 B2XF	1023	2347	43.6	1.19	84.0	30.4	4.9	7.5
Deltapine	DP 1555 B2RF	1016	2218	45.8	1.17	83.1	35.1	5.2	8.4
Deltapine	DP 1851 B3XF	1013	2233	45.4	1.09	82.2	33.5	4.8	7.9
Stoneville	ST 5471GLTP	998	2402	41.6	1.14	82.1	32.9	4.8	7.7
UGA	GA 2016006	985	2287	43.1	1.19	82.8	34.7	4.6	7.8
Croplan	CP 9608 B3XF	985	2142	46.0	1.13	81.8	30.3	4.6	7.5
Stoneville	ST 5818GLT	967	2366	40.9	1.15	82.5	30.9	4.9	7.1
Croplan	CP 9830 B3XF	961	2094	45.9	1.17	82.0	33.4	4.4	8.1
Stoneville	BX 2076GLTP	940	2196	42.8	1.15	82.6	34.0	5.3	7.8
Deltapine	DP 1840 B3XF	938	2226	42.2	1.19	82.5	31.7	4.9	7.5
UGA	GA 2016058	931	2283	40.8	1.15	82.9	32.7	4.6	7.8
Dyna-Gro	DG 3526 B2XF	923	2081	44.4	1.11	83.2	30.3	5.0	7.7
UGA	GA 2016029	910	2123	42.9	1.19	83.3	34.3	5.1	8.5
Dyna-Gro	DG 3757 B2XF	902	2051	44.0	1.10	82.3	29.6	5.0	8.5
Phytogen	PHY 340 W3FE	897	2045	43.9	1.11	82.6	31.3	4.8	7.9
Americot	NG 3729 B2XF	849	2118	40.1	1.09	83.1	29.9	5.1	7.7
UGA	GA 2016090	830	2051	40.5	1.19	83.8	34.2	4.5	7.8

## Plains, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
UGA	GA 2016016	829	1918	43.2	1.14	82.5	32.7	4.8	7.8
Americot	NG 4936 B3XF	816	2009	40.6	1.15	83.8	30.8	4.4	7.0
UGA	GA 2016060	679	1646	41.2	1.18	83.1	33.3	4.9	7.3
Phytogen	PHY 500 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C05W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Average		1020	2369	43.1	1.15	83.0	32.4	4.9	7.9
LSD at 10% Level		202	464	1.6	0.04	1.3	2.3	0.4	0.7
Model R-square		0.55	0.54	0.87	0.84	0.73	0.75	0.72	0.69
CV %		16.5%	16.3%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

4. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.

"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 (Full-season) and June 5 (Short-season), 2019.

Harvested: October 23 (Full-season) and November 20 (Short-season), 2019.

Soil Type: Greenville sandy loam.

Previous Crop: Peanuts.

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

Fertilization: 15 lb N, 90 lb P, and 0 lb K/acre. Sidedress: 90 lb N/acre.

Management: Conventional tillage. Reflex, Warrant, Staple, and Envoke used for weed control. Bifenthrin and Bidrin used for insect control. Stance used for PGR. Prep, Dropp and Folex used for defoliation.

Irrigation (in):  
 May June July Aug. Sept. Oct.  
 ----- 6.7 inches season total -----

Rainfall (in): 0.8 1.5 7.3 4.8 1.0 4.8

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

## Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
<b>Short-Season Environment</b>									
Dyna-Gro	Halo 959 B3XF	1720	4537	37.9	1.16	80.8	31.3	4.7	8.0
Dyna-Gro	DGX 18503B B3XF	1543	3840	40.2	1.13	81.5	31.5	4.8	8.0
Deltapine	DP 1916 B3XF	1502	3635	41.3	1.13	82.6	32.2	4.9	8.1
Phytogen	PX5C05W3FE	1454	3451	42.1	1.14	83.7	32.4	4.8	7.3
Stoneville	BX 2076GLTP	1437	3729	38.5	1.11	82.1	31.0	5.0	7.8
Stoneville	ST 5818GLT	1435	3838	37.4	1.14	82.0	30.8	4.6	7.0
Americot	NG 5711 B3XF	1435	3924	36.6	1.17	82.0	31.8	4.6	7.5
Phytogen	PX5C45W3FE	1393	3558	39.2	1.10	82.9	30.7	4.8	7.5
Deltapine	DP 1646 B2XF	1366	3545	38.5	1.14	81.3	28.5	4.8	6.9
Dyna-Gro	DG 3555 B3XF	1346	3489	38.6	1.13	83.1	31.7	4.5	7.5
Deltapine	DP 1725 B2XF	1330	3291	40.4	1.12	81.8	31.1	4.7	7.4
Stoneville	ST 5707B2XF	1323	3607	36.7	1.15	83.0	32.6	5.0	8.4
Phytogen	PX5E28W3FE	1307	3644	35.9	1.12	82.8	32.2	3.8	7.1
Stoneville	ST 6182GLT	1296	3139	41.3	1.11	82.5	30.5	4.8	7.7
Stoneville	ST 4550GLTP	1277	3210	39.8	1.08	81.4	29.5	4.8	8.0
Phytogen	PHY 500 W3FE	1272	3343	38.0	1.11	81.8	34.4	4.4	8.1
Americot	NG 4936 B3XF	1253	3300	38.0	1.16	82.9	31.4	4.7	6.9
Dyna-Gro	DG 3560 B2XF	1252	3073	40.7	1.21	84.1	35.2	5.1	8.0
Deltapine	18R628NRB3XF	1248	3051	40.9	1.10	82.4	33.0	4.7	7.9
Americot	AMX 19A005 B3XF	1248	3255	38.3	1.12	81.8	29.3	4.6	7.1
Phytogen	PHY 400 W3FE	1247	3357	37.1	1.12	81.9	30.7	4.4	7.7
Croplan	CP 9608 B3XF	1242	3103	40.0	1.10	80.2	28.7	4.8	8.0
Americot	AMX 19A006 B3XF	1236	3492	35.4	1.18	81.9	34.0	4.5	7.9
Croplan	CP 9178 B3XF	1234	3053	40.4	1.12	83.3	33.4	5.0	8.1
Phytogen	PHY 580 W3FE	1216	3165	38.4	1.09	82.3	31.1	5.0	8.2
Americot	NG 3729 B2XF	1215	3279	37.0	1.13	82.7	30.5	5.0	7.5
Deltapine	DP 2055 B3XF	1192	2995	39.8	1.15	81.0	30.6	4.9	7.3
Americot	AMX 1818 B3XF	1192	3120	38.2	1.15	83.0	33.8	4.7	7.4
Stoneville	ST 5471GLTP	1184	3215	36.8	1.11	81.5	31.8	4.4	7.6
Croplan	CP 9210 B3XF	1172	2866	40.9	1.13	83.5	31.9	5.1	7.7
Phytogen	PHY 480 W3FE	1166	3133	37.2	1.17	83.5	31.6	4.5	8.0
Phytogen	PX3D32W3FE	1165	3265	35.7	1.12	82.5	32.1	4.7	8.4
Seed Source Genetics	SSG HQ 210 CT	1159	3230	35.9	1.07	81.0	29.9	5.0	6.9
Seed Source Genetics	SSG UA 222	1140	3195	35.7	1.15	82.8	29.8	4.8	7.3
Americot	NG 3994 B3XF	1135	2856	39.7	1.12	81.8	30.7	4.9	8.0
Stoneville	ST 5600B2XF	1132	2864	39.5	1.15	84.1	31.6	5.5	8.2
UGA	GA 2016029	1122	2856	39.3	1.16	83.0	34.0	4.6	7.5
Phytogen	PX3C06W3FE	1121	3137	35.7	1.13	82.0	31.4	4.3	7.5
UGA	GA 2016090	1091	2873	38.0	1.17	83.4	33.8	4.5	7.2
Dyna-Gro	DG 3402 B3XF	1088	2782	39.1	1.13	82.5	30.7	4.7	7.9
Americot	NG 3522 B2XF	1088	2880	37.8	1.05	80.5	26.4	4.8	7.9
Seed Source Genetics	SSG UA 114	1083	3138	34.5	1.13	83.0	30.5	4.8	7.6
Phytogen	PHY 340 W3FE	1074	2754	39.0	1.15	83.7	32.4	4.7	7.7
Phytogen	PHY 350 W3FE	1074	2880	37.3	1.14	83.6	32.9	4.8	7.8
Dyna-Gro	DG 3520 B3XF	1071	3216	33.3	1.19	81.6	31.2	4.3	7.7
Phytogen	PX3D43W3FE	1065	2824	37.7	1.10	82.3	32.5	4.8	8.3
Phytogen	PX5E34W3FE	1035	3022	34.3	1.15	83.1	32.8	4.2	7.7
Americot	AMX 1828 B3XF	1022	2767	36.9	1.14	83.1	31.4	4.9	7.6
Dyna-Gro	DG 3470 B3XF	1009	2552	39.5	1.14	82.4	31.6	4.6	7.7
Americot	NG 3930 B3XF	996	2743	36.3	1.12	82.6	30.1	4.7	8.1

## Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Deltapine UGA	DP 1823NR B2XF GA 2016016	987 975	2542 2547	38.8 38.3	1.14 1.17	83.0 81.6	31.8 35.1	4.7 4.6	7.9 7.7
Americot UGA	AMX 1816 B3XF GA 2016060	967 925	2941 2568	32.9 36.0	1.15 1.14	82.1 82.8	31.6 33.2	4.1 4.7	7.7 7.4
UGA	GA 2016006	923	2436	37.9	1.17	83.8	32.9	5.0	7.0
UGA	GA 2016058	781	2212	35.3	1.17	82.3	32.9	4.5	7.6
Average		1196	3148	38.0	1.13	82.4	31.6	4.7	7.7
LSD at 10% Level		216	571	1.9	0.04	1.6	2.5	0.3	0.5
Model R-square		0.56	0.52	0.88	0.73	0.67	0.72	0.82	0.78
CV %		15.4%	15.5%						
<b>Full-Season Environment</b>									
Dyna-Gro	DG 3615 B3XF	<b>2310</b>	5588	41.3	1.13	81.1	30.7	4.8	9.0
Dyna-Gro	DG 3799 B3XF	2028	4919	41.2	1.08	80.1	30.5	5.1	8.7
Croplan	CP 9830 B3XF	1737	3983	43.6	1.17	82.0	30.3	4.7	8.2
Stoneville	ST 5707B2XF	1642	4244	38.7	1.14	83.3	32.9	5.1	9.2
Croplan	CP 9608 B3XF	1606	3839	41.8	1.08	81.6	26.5	4.7	8.2
Stoneville	ST 5471GLTP	1586	4145	38.3	1.14	82.2	30.5	4.6	7.5
Dyna-Gro	DG 3605 B2XF	1583	3844	41.2	1.14	81.4	29.1	4.7	7.6
Deltapine	DP 1555 B2RF	1580	3771	41.9	1.06	80.7	29.4	5.0	8.2
Deltapine	DP 2055 B3XF	1580	3790	41.7	1.15	82.3	30.4	4.9	8.0
Deltapine	DP 1840 B3XF	1569	4010	39.1	1.13	82.2	31.0	4.8	8.1
Croplan	CP 3885 B2XF	1546	3851	40.2	1.09	82.2	28.9	5.0	8.5
Stoneville	ST 5818GLT	1545	4048	38.2	1.10	81.8	29.6	4.5	7.3
Dyna-Gro	DG 3560 B2XF	1541	3887	39.7	1.18	84.4	34.0	5.1	8.8
Americot	NG 5711 B3XF	1534	3922	39.1	1.11	80.0	30.2	4.8	8.0
UGA	GA 2016029	1529	3698	41.4	1.14	83.0	32.4	4.9	8.5
Phytogen	PX3D43W3FE	1516	3842	39.5	1.09	82.6	32.2	4.6	8.6
Stoneville	ST 4550GLTP	1516	3663	41.4	1.09	82.3	30.5	5.0	8.4
Deltapine	DP 1851 B3XF	1481	3712	39.9	1.09	81.9	32.3	4.7	8.6
Phytogen	PHY 400 W3FE	1479	3860	38.3	1.09	81.0	30.8	4.5	8.1
Stoneville	ST 6182GLT	1447	3392	42.7	1.09	81.6	29.2	4.9	8.2
UGA	GA 2016016	1447	3673	39.4	1.17	81.7	34.0	4.7	7.9
Stoneville	BX 2076GLTP	1445	3531	40.9	1.09	82.7	30.9	5.3	7.9
Dyna-Gro	DG 3526 B2XF	1439	3606	39.9	1.14	82.7	30.9	4.6	8.4
Phytogen	PHY 350 W3FE	1410	3690	38.2	1.13	83.2	31.7	4.8	8.5
Stoneville	ST 5600B2XF	1387	3532	39.3	1.11	83.6	31.7	5.3	8.8
Phytogen	PHY 480 W3FE	1377	3468	39.7	1.10	82.9	31.6	4.6	9.0
Phytogen	PHY 340 W3FE	1368	3414	40.1	1.13	82.5	30.8	4.8	8.4
Deltapine	DP 1835 B3XF	1358	3374	40.3	1.10	81.4	29.9	4.5	8.1
UGA	GA 2016058	1354	3502	38.7	1.14	81.7	32.4	4.7	8.0
Dyna-Gro	DG 3757 B2XF	1353	3409	39.7	1.09	82.4	27.6	4.6	8.9
Americot	NG 4936 B3XF	1330	3544	37.5	1.12	82.4	32.1	4.3	7.6
UGA	GA 2016090	1321	3516	37.6	1.15	82.1	31.0	4.5	7.7
Deltapine	DP 1646 B2XF	1292	3223	40.1	1.13	81.3	29.1	4.7	7.8
UGA	GA 2016060	1289	3331	38.7	1.13	81.9	30.7	4.7	7.8
Phytogen	PX3C06W3FE	1285	3403	37.8	1.08	80.7	29.4	4.4	7.6

## Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Americot	NG 3729 B2XF	1198	3142	38.1	1.08	82.3	28.3	4.8	7.9
Phytogen	PX3D32W3FE	1182	3161	37.4	1.15	82.5	32.7	4.6	8.4
UGA	GA 2016006	1054	2711	38.9	1.14	82.7	31.3	4.4	8.0
Phytogen	PHY 500 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C05W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Average		1480	3717	39.8	1.12	82.0	30.7	4.7	8.2
LSD at 10% Level		237	592	1.4	0.04	1.1	2.0	0.4	0.5
Model R-square		0.62	0.57	0.88	0.78	0.79	0.79	0.71	0.85
CV %		13.6%	13.6%						

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).
4. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.

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

Planted: May 2, 2019.  
 Harvested: October 2, 2019.  
 Soil Type: Tifton loamy sand.  
 Previous Crop: Peanut.  
 Soil Test: P = Low, K = Low, and pH = 6.5.  
 Fertilization: 30 lb N, 110 lb P, and 120 lb K/acre. Sidedress: 75 lb N and 35 lb K/acre.  
 Management: Conventional tillage. Staple, Reflex, Cotoran, Warrant, and Select used for weed control. Besiege, Knack, and Agri-Mek used for insect control. Mepiquat chloride used for PGR. Folex, Detach, Ultra, Prep, and ET used for defoliation. Telone used for nematode control.

	May	June	July	Aug.	Sept.
Irrigation (in):	2.0	2.0	3.0	1.0	3.0
Rainfall (in):	1.3	6.6	4.2	6.5	0.5

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



## Athens, Georgia: Cotton Variety Performance, 2019, Dryland

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
<b>Short-Season Environment</b>									
Phytogen	PX3D32W3FE	<b>1518</b>	3354	45.2	1.17	84.1	33.1	4.8	8.2
Dyna-Gro	DG 3555 B3XF	<b>1446</b>	3135	46.1	1.21	85.2	32.7	4.3	7.6
Americot	AMX 19A006 B3XF	<b>1432</b>	3344	42.8	1.18	83.4	36.0	4.9	7.9
Dyna-Gro	DG 3402 B3XF	<b>1411</b>	3157	44.7	1.12	82.5	31.2	4.5	7.7
Dyna-Gro	Halo 959 B3XF	<b>1402</b>	3199	43.8	1.13	82.9	31.4	5.0	7.6
Deltapine	DP 1725 B2XF	<b>1388</b>	2931	47.4	1.11	82.5	29.9	4.7	7.6
Phytogen	PX3C06W3FE	<b>1384</b>	3057	45.3	1.10	81.7	29.3	5.1	6.9
Dyna-Gro	DGX 18503B B3XF	<b>1376</b>	2984	46.1	1.11	82.9	32.7	4.7	8.1
Phytogen	PHY 500 W3FE	<b>1370</b>	3020	45.4	1.11	83.0	34.4	4.4	7.6
Stoneville	ST 4550GLTP	<b>1351</b>	2846	47.5	1.10	82.6	30.6	5.0	8.5
Americot	NG 3522 B2XF	<b>1348</b>	2881	44.7	1.04	81.8	26.8	5.0	8.5
Dyna-Gro	DG 3560 B2XF	1340	2875	46.6	1.17	84.4	35.2	5.2	8.2
Phytogen	PHY 480 W3FE	1321	2903	45.5	1.10	84.6	30.9	4.6	8.3
Stoneville	ST 6182GLT	1321	2728	48.4	1.09	82.7	28.9	5.1	8.1
Americot	NG 4936 B3XF	1311	3004	43.6	1.15	84.0	29.9	4.7	7.2
Americot	AMX 1816 B3XF	1301	3048	42.7	1.15	83.5	30.9	3.9	7.4
Phytogen	PHY 400 W3FE	1289	2800	46.1	1.13	82.6	32.5	4.7	7.8
Phytogen	PHY 340 W3FE	1287	2881	46.8	1.13	84.4	31.1	4.9	8.4
Dyna-Gro	DG 3520 B3XF	1281	2824	45.4	1.19	85.6	33.8	4.4	7.4
Deltapine	DP 1916 B3XF	1281	2773	46.2	1.09	82.5	31.3	4.8	8.2
Phytogen	PHY 580 W3FE	1281	2700	47.5	1.06	82.9	31.4	4.3	8.0
Phytogen	PX3D43W3FE	1272	2729	46.6	1.09	83.7	32.8	5.1	8.6
Croplan	CP 9178 B3XF	1263	2757	45.8	1.08	83.2	32.2	4.9	8.6
Stoneville	ST 5818GLT	1262	2845	44.4	1.10	81.5	32.4	4.9	6.9
Phytogen	PX5C05W3FE	1244	2620	47.5	1.04	82.7	30.3	4.7	8.3
Phytogen	PX5C45W3FE	1230	2656	46.3	1.10	83.3	32.2	4.4	7.9
Croplan	CP 9608 B3XF	1226	2583	47.5	1.08	82.2	27.4	4.7	8.3
Phytogen	PX5E34W3FE	1223	2938	41.6	1.10	83.3	33.1	4.1	7.7
Deltapine	DP 1646 B2XF	1217	2634	46.2	1.13	83.3	28.6	4.8	7.5
Croplan	CP 9210 B3XF	1210	2614	46.3	1.14	83.8	32.6	5.2	8.4
Deltapine	DP 2055 B3XF	1208	2634	45.9	1.16	83.1	31.5	4.7	7.8
Stoneville	ST 5471GLTP	1206	2721	44.3	1.09	81.7	29.6	4.7	7.6
Americot	NG 3729 B2XF	1202	2701	44.5	1.11	83.1	29.6	5.0	8.0
Americot	NG 5711 B3XF	1200	2656	45.2	1.13	84.0	31.9	4.5	7.7
Stoneville	ST 5707B2XF	1195	2854	41.9	1.11	83.6	34.2	5.0	8.3
Stoneville	BX 2076GLTP	1185	2576	46.0	1.10	82.0	31.9	5.2	7.7
Stoneville	ST 5600B2XF	1172	2556	45.9	1.10	83.8	30.3	5.5	8.6
Americot	NG 3994 B3XF	1169	2525	46.3	1.11	82.6	29.3	5.2	8.3
Dyna-Gro	DG 3470 B3XF	1156	2527	45.7	1.12	82.5	32.2	4.8	8.2
Americot	AMX 1828 B3XF	1143	2592	44.1	1.12	83.9	30.7	4.9	7.5
Americot	AMX 1818 B3XF	1120	2560	43.8	1.11	82.8	32.5	4.8	7.9
Phytogen	PHY 350 W3FE	1119	2491	44.9	1.11	83.3	31.4	4.7	8.4
Phytogen	PX5E28W3FE	1115	2599	42.9	1.11	83.2	33.7	4.3	7.8
Americot	AMX 19A005 B3XF	1087	2380	45.7	1.12	83.5	29.7	4.9	7.2
Deltapine	DP 1823NR B2XF	1066	2296	46.5	1.11	82.8	31.7	4.6	8.0
Seed Source Genetics	SSG UA 222	990	2264	43.7	1.11	83.2	31.0	4.6	7.5
UGA	GA 2016016	974	2229	43.7	1.13	82.3	31.7	4.8	7.4
Seed Source Genetics	SSG UA 114	968	2338	41.4	1.13	84.6	32.9	4.9	7.5
Deltapine	18R628NRB3XF	959	2047	46.8	1.09	83.0	32.2	4.9	8.0
UGA	GA 2016029	936	2011	46.5	1.11	82.5	31.2	5.2	7.8

## Athens, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
Americot	NG 3930 B3XF	888	1989	44.7	1.17	84.6	31.8	4.8	7.9
UGA	GA 2016060	847	1917	44.2	1.13	83.3	32.1	4.9	7.3
UGA	GA 2016090	687	1547	44.4	1.15	83.9	32.3	4.6	7.7
Seed Source Genetics	SSG HQ 210 CT	684	1669	41.0	1.03	82.1	29.3	5.2	7.5
UGA	GA 2016006	678	1510	44.9	1.13	83.1	30.9	4.6	7.6
UGA	GA 2016058	581	1343	43.2	1.16	82.6	32.3	4.7	7.4
Average		1181	2613	45.1	1.12	83.2	31.5	4.8	7.9
LSD at 10% Level		175	390	1.4	0.04	1.2	1.5	0.3	0.5
Model R-square		0.75	0.74	0.89	0.84	0.76	0.89	0.87	0.80
CV %		12.6%	12.7%						
<b>Full-Season Environment</b>									
Phytogen	PX3C06W3FE	<b>1330</b>	2966	44.8	1.12	82.6	29.7	5.1	6.9
Dyna-Gro	DG 3799 B3XF	<b>1322</b>	2910	45.4	1.12	81.9	31.9	4.4	8.0
Dyna-Gro	DG 3560 B2XF	<b>1261</b>	2737	46.1	1.18	84.5	35.6	5.0	8.2
Phytogen	PX3D32W3FE	<b>1227</b>	2725	45.0	1.19	84.6	34.0	4.8	8.2
Dyna-Gro	DG 3757 B2XF	<b>1193</b>	2547	46.8	1.10	82.9	28.3	4.9	8.5
Phytogen	PX3D43W3FE	<b>1187</b>	2569	46.2	1.10	83.8	33.5	5.0	8.4
Americot	NG 3729 B2XF	<b>1149</b>	2730	42.1	1.12	82.0	30.7	5.1	7.4
Stoneville	ST 5818GLT	<b>1148</b>	2606	44.0	1.12	82.8	31.0	4.6	7.3
Deltapine	DP 1646 B2XF	<b>1144</b>	2458	46.5	1.16	83.1	30.5	4.9	7.1
Stoneville	ST 4550GLTP	<b>1140</b>	2410	47.3	1.11	83.6	32.0	4.8	8.2
Croplan	CP 9608 B3XF	<b>1138</b>	2401	47.4	1.10	81.6	29.3	4.5	8.2
Stoneville	ST 5707B2XF	<b>1131</b>	2794	40.5	1.12	83.3	34.0	4.8	8.5
Stoneville	ST 5471GLTP	1100	2547	43.2	1.09	82.0	30.4	4.9	7.2
Phytogen	PHY 340 W3FE	1093	2429	45.0	1.09	83.0	32.0	4.5	8.2
Phytogen	PHY 400 W3FE	1063	2387	44.5	1.13	82.6	34.0	4.6	7.6
Stoneville	BX 2076GLTP	1055	2314	45.6	1.13	83.7	33.8	5.1	7.5
Croplan	CP 9830 B3XF	1044	2184	47.8	1.19	83.1	31.1	4.2	7.6
Croplan	CP 3885 B2XF	1038	2293	45.3	1.08	82.7	30.0	4.9	8.3
Stoneville	ST 6182GLT	1035	2164	47.8	1.09	83.5	30.2	4.7	7.9
Deltapine	DP 2055 B3XF	1011	2233	45.3	1.18	82.6	32.5	4.6	7.6
Deltapine	DP 1851 B3XF	1000	2219	45.1	1.13	83.9	34.3	4.8	8.1
Dyna-Gro	DG 3615 B3XF	994	2191	45.4	1.13	83.4	32.3	4.7	8.5
Deltapine	DP 1835 B3XF	985	2089	47.2	1.12	82.7	31.3	4.8	8.0
Deltapine	DP 1555 B2RF	973	2066	47.1	1.11	82.0	32.1	4.7	7.7
Dyna-Gro	DG 3526 B2XF	952	1989	47.9	1.08	83.1	28.8	4.8	7.9
Phytogen	PHY 350 W3FE	950	2060	46.1	1.14	84.3	31.9	4.9	8.1
Phytogen	PHY 480 W3FE	940	2081	45.2	1.12	84.1	31.8	4.5	8.4
Americot	NG 4936 B3XF	938	2148	43.7	1.13	83.0	30.5	4.6	7.1
Americot	NG 5711 B3XF	915	2068	44.2	1.13	82.6	32.1	4.3	8.1
Deltapine	DP 1840 B3XF	873	2017	43.3	1.13	82.6	31.1	4.3	7.7
Stoneville	ST 5600B2XF	847	1917	44.2	1.10	82.9	32.0	5.3	8.7
Dyna-Gro	DG 3605 B2XF	797	1718	46.4	1.17	83.2	30.4	4.7	7.5
UGA	GA 2016029	676	1510	44.8	1.17	82.5	34.2	4.8	7.7
UGA	GA 2016060	632	1437	43.9	1.13	83.5	32.1	4.6	7.3
UGA	GA 2016058	555	1285	43.2	1.15	82.8	33.1	4.5	7.7

## Athens, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
UGA	GA 2016090	554	1256	44.1	1.15	83.3	34.4	4.4	7.4
UGA	GA 2016006	528	1191	44.4	1.15	82.2	31.8	4.6	7.5
UGA	GA 2016016	496	1125	44.1	1.11	81.7	32.5	4.8	7.8
Phytogen	PHY 500 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C05W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Average		948	2178	45.2	1.13	83.0	31.9	4.7	7.8
LSD at 10% Level		199	439	1.4	0.04	1.4	1.9	0.3	0.4
Model R-square		0.70	0.70	0.89	0.78	0.61	0.83	0.78	0.86
CV %		17.2%	17.1%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

4. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.

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

Planted: May 1, 2019.

Harvested: October 2, 2019.

Soil Type: Wehadkee loam.

Previous Crop: Corn.

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

Fertilization: 26 lb N, 130 lb P, and 240 lb K/acre. Sidedress: 74 lb N/acre.

Management: Conventional tillage. Prowl, Reflex, Cotoran, and Poast used for weed control. Folex and Ethephon used for defoliation.

Rainfall (in):	May	June	July	Aug.	Sept.
	2.0	5.6	1.3	2.6	0.4

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

## Midville, Georgia: Cotton Variety Performance, 2019, Dryland

Company or Brand Name	Variety	Lint Yield	Seed Cot. Yield	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
<b>Mid-Season Environment</b>									
Dyna-Gro	Halo 959 B3XF	<b>1123</b>	2698	41.6	1.12	81.5	32.3	4.6	7.9
Dyna-Gro	DG 3555 B3XF	<b>1117</b>	2529	44.2	1.11	83.2	32.4	4.8	7.7
Dyna-Gro	DG 3799 B3XF	<b>1110</b>	2468	45.0	1.10	81.4	31.3	4.7	7.3
Dyna-Gro	DGX 18503B B3XF	<b>1108</b>	2475	44.8	1.09	82.2	29.5	4.8	8.0
Deltapine	DP 1835 B3XF	<b>1071</b>	2275	47.1	1.04	80.9	26.7	4.7	7.7
Dyna-Gro	DG 3520 B3XF	<b>1070</b>	2487	43.0	1.14	83.4	33.1	3.8	7.2
Deltapine	DP 1555 B2RF	<b>1066</b>	2291	46.5	1.04	81.5	30.9	4.8	8.2
Dyna-Gro	DG 3615 B3XF	<b>1036</b>	2299	45.1	1.07	82.2	31.0	4.8	8.0
Americot	NG 3729 B2XF	<b>996</b>	2408	41.4	1.11	82.7	30.3	4.7	7.8
UGA	GA 2016029	<b>994</b>	2250	44.2	1.13	83.2	31.5	4.8	7.7
Phytogen	PX5C45W3FE	<b>993</b>	2090	47.5	1.01	81.2	29.4	4.5	8.0
Dyna-Gro	DG 3402 B3XF	<b>986</b>	2275	43.4	1.13	83.0	31.8	4.4	7.8
Seed Source Genetics	SSG UA 222	<b>984</b>	2481	39.7	1.11	82.5	30.4	4.2	7.6
Phytogen	PX5E28W3FE	975	2093	46.6	1.09	82.6	33.9	4.2	7.3
Stoneville	ST 4550GLTP	975	2172	44.9	1.09	83.3	32.1	4.5	8.4
Phytogen	PX3C06W3FE	972	2184	44.5	1.07	82.0	30.7	4.3	7.2
Croplan	CP 9178 B3XF	969	2148	45.1	1.07	82.1	29.9	4.7	8.0
Phytogen	PHY 500 W3FE	968	2087	46.4	1.08	82.9	34.2	4.4	8.0
Deltapine	DP 1646 B2XF	956	2172	44.0	1.12	82.2	28.7	4.7	7.1
Phytogen	PHY 400 W3FE	953	2178	43.8	1.10	81.5	31.1	3.8	8.2
Seed Source Genetics	SSG UA 114	949	2384	39.8	1.13	83.6	33.3	4.2	7.3
Stoneville	ST 5471GLTP	947	2215	42.7	1.05	81.1	29.5	4.8	7.6
Dyna-Gro	DG 3757 B2XF	943	2081	45.3	1.04	81.1	26.7	4.9	8.6
Phytogen	PX3D32W3FE	941	2172	43.3	1.13	81.8	30.2	4.2	8.6
Dyna-Gro	DG 3470 B3XF	939	2221	42.3	1.14	83.5	31.6	5.1	7.9
UGA	GA 2016060	935	2242	41.7	1.11	82.7	31.9	4.5	7.8
Dyna-Gro	DG 3526 B2XF	934	2063	45.3	1.06	82.1	29.7	4.8	7.8
Deltapine	DP 1840 B3XF	930	2190	42.4	1.08	82.1	29.7	4.7	7.4
Phytogen	PHY 580 W3FE	924	1942	47.6	1.04	80.3	29.4	4.4	7.7
Deltapine	DP 1851 B3XF	921	2039	45.2	1.08	82.4	32.1	4.9	8.1
Stoneville	ST 5707B2XF	915	2293	39.9	1.11	82.9	33.2	4.9	8.2
Stoneville	BX 2076GLTP	915	2063	44.3	1.08	81.8	32.7	5.0	7.3
Croplan	CP 3885 B2XF	914	2021	45.2	1.02	81.4	26.7	4.9	8.3
Dyna-Gro	DG 3560 B2XF	909	1984	45.8	1.17	83.9	36.0	5.3	8.1
Americot	AMX 19A005 B3XF	907	2099	43.2	1.12	83.3	28.8	4.7	7.3
Dyna-Gro	DG 3605 B2XF	901	2041	44.2	1.12	81.4	30.3	4.4	7.1
Phytogen	PX3D43W3FE	896	2039	44.0	1.05	83.1	31.3	4.7	8.4
Phytogen	PHY 340 W3FE	892	1966	45.4	1.08	81.8	29.5	4.5	8.7
UGA	GA 2016016	889	2063	43.1	1.11	81.4	31.5	4.7	7.4
Stoneville	ST 5818GLT	874	2063	42.4	1.06	80.8	30.5	4.6	7.2
Americot	AMX 1818 B3XF	869	2009	43.3	1.07	82.2	31.3	4.6	7.8
Americot	NG 3522 B2XF	869	2081	41.7	1.01	80.3	25.6	4.5	8.4
Americot	AMX 1816 B3XF	864	1984	43.5	1.16	82.0	30.2	4.6	7.5
Deltapine	DP 2055 B3XF	862	1906	45.2	1.12	81.3	30.0	4.8	7.6
Stoneville	ST 6182GLT	862	1864	46.2	1.06	81.6	28.5	4.9	7.7
Americot	NG 4936 B3XF	849	2069	41.0	1.12	82.8	29.8	4.4	6.9
Croplan	CP 9210 B3XF	845	1863	45.3	1.11	82.2	30.2	5.3	8.3
Croplan	CP 9608 B3XF	837	1797	46.6	1.06	82.3	26.1	4.9	8.3
Americot	AMX 19A006 B3XF	827	2003	41.3	1.15	82.0	36.1	4.4	8.1
Americot	NG 3930 B3XF	826	1976	41.8	1.10	82.1	29.9	4.0	7.9

## Midville, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Phytogen	PHY 350 W3FE	824	1845	44.7	1.06	82.5	29.9	4.2	8.3
Phytogen	PX5C05W3FE	819	1724	47.5	0.97	82.0	28.4	4.6	8.4
Phytogen	PHY 480 W3FE	813	1864	43.6	1.05	83.0	30.7	4.6	8.7
Americot	NG 3994 B3XF	800	1799	44.5	1.08	81.7	30.0	4.6	8.4
Americot	NG 5711 B3XF	800	1882	42.5	1.09	81.6	28.6	4.5	7.9
Deltapine	DP 1725 B2XF	794	1809	43.9	1.06	81.0	28.7	4.6	7.8
Croplan	CP 9830 B3XF	791	1688	46.9	1.15	81.3	30.1	4.6	7.6
Stoneville	ST 5600B2XF	782	1736	45.1	1.06	83.1	30.8	5.3	8.6
UGA	GA 2016090	780	1839	42.4	1.12	83.0	34.7	4.3	7.4
Americot	AMX 1828 B3XF	757	1748	43.3	1.08	82.0	31.1	4.8	8.1
Seed Source Genetics	SSG HQ 210 CT	743	1930	38.5	1.03	80.8	29.8	4.3	7.6
Phytogen	PX5E34W3FE	718	1749	41.1	1.06	82.3	33.6	4.5	7.4
Deltapine	18R628NRB3XF	706	1537	46.0	1.08	82.4	33.0	4.4	7.5
UGA	GA 2016006	694	1616	43.0	1.09	82.2	31.2	4.7	7.5
UGA	GA 2016058	682	1627	41.9	1.13	82.1	31.1	4.4	7.7
Deltapine	DP 1916 B3XF	672	1513	44.4	1.04	81.6	30.2	4.8	8.1
Deltapine	DP 1823NR B2XF	656	1464	44.8	1.11	82.2	31.8	4.6	8.3
Average		897	2046	43.9	1.08	82.1	30.7	4.6	7.8
LSD at 10% Level		142	322	2.0	0.05	1.4	2.1	0.4	0.6
Model R-square		0.55	0.57	0.86	0.76	0.64	0.85	0.79	0.77
CV %		13.3%	13.2%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

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

Planted: May 6, 2019.

Harvested: October 11, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Cotton.

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

Fertilization: 30 lb N, 50 lb P, and 84 lb K/acre. Sidedress: 80 lb N/acre.

Management: Conventional tillage. Pendimethalin, Reflex, Diuron, Staple, Gramoxone, Valor, MSMA, and Envoke used for weed control. Prevathon, Bidrin and Acephate used for insect control. Mepiquat used for PGR. Folex, Dropp, and Ethephon used for defoliation. Telone used for nematode control.

Rainfall (in):	May	June	July	Aug.	Sept.	Oct.
	1.8	3.3	2.5	5.5	0.5	0.0

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

## Plains, Georgia: Cotton Variety Performance, 2019, Dryland

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
<b>Short-Season Environment</b>									
Stoneville	ST 5471GLTP	<b>699</b>	1779	39.3	1.15	82.2	31.3	4.2	7.9
Deltapine	DP 1725 B2XF	<b>679</b>	1603	42.4	1.17	82.0	30.8	4.5	8.0
Americot	NG 4936 B3XF	<b>642</b>	1712	37.5	1.21	84.3	31.3	4.5	7.2
Phytogen	PX5E28W3FE	<b>632</b>	1615	39.1	1.17	83.7	33.8	4.1	7.6
Dyna-Gro	DG 3555 B3XF	<b>631</b>	1627	38.8	1.21	84.8	33.9	4.1	7.7
Croplan	CP 9210 B3XF	<b>606</b>	1549	39.1	1.19	84.6	33.8	4.9	8.5
Stoneville	BX 2076GLTP	<b>605</b>	1513	40.0	1.15	83.2	33.2	5.0	8.4
Phytogen	PX3D43W3FE	<b>595</b>	1513	39.4	1.11	83.4	33.6	4.4	8.9
Phytogen	PHY 340 W3FE	<b>583</b>	1446	40.3	1.15	83.4	30.7	4.3	8.7
Phytogen	PX5C05W3FE	<b>578</b>	1355	42.6	1.14	83.8	32.9	4.6	8.2
Stoneville	ST 6182GLT	<b>577</b>	1289	44.8	1.11	84.2	29.4	4.7	8.8
Deltapine	DP 1646 B2XF	<b>571</b>	1404	40.7	1.25	84.0	32.2	4.4	7.5
Dyna-Gro	DGX 18503B B3XF	<b>559</b>	1343	41.6	1.14	81.1	31.7	4.3	8.6
Phytogen	PHY 400 W3FE	555	1404	39.5	1.19	83.5	34.3	3.9	8.5
Phytogen	PHY 580 W3FE	546	1301	42.0	1.15	83.8	32.2	4.4	8.1
Phytogen	PX3C06W3FE	545	1349	40.4	1.19	83.9	31.5	4.1	7.5
Phytogen	PX5E34W3FE	540	1410	38.3	1.16	84.0	35.2	4.0	8.2
Seed Source Genetics	SSG UA 114	539	1265	42.6	1.21	85.9	34.8	5.0	8.3
Croplan	CP 9178 B3XF	538	1386	38.8	1.17	82.7	35.2	4.5	8.6
Stoneville	ST 5818GLT	536	1410	38.0	1.15	82.8	31.8	4.1	7.8
Americot	AMX 19A006 B3XF	535	1470	36.4	1.26	83.3	36.8	3.9	8.6
Phytogen	PX5C45W3FE	530	1265	41.9	1.12	83.2	30.8	4.4	8.2
Americot	NG 3729 B2XF	524	1349	38.8	1.19	83.8	31.8	4.7	8.6
Americot	NG 3522 B2XF	521	1343	38.8	1.09	82.1	28.1	4.6	8.7
Deltapine	DP 1916 B3XF	516	1301	39.6	1.14	82.7	34.4	4.4	8.9
Dyna-Gro	Halo 959 B3XF	514	1379	37.3	1.13	81.5	31.2	3.8	8.7
Americot	AMX 1816 B3XF	512	1488	34.4	1.19	83.5	34.0	3.8	8.0
Croplan	CP 9608 B3XF	510	1210	42.2	1.15	82.7	31.7	4.5	8.4
Phytogen	PHY 480 W3FE	504	1265	39.9	1.12	83.7	32.5	4.4	7.8
Dyna-Gro	DG 3560 B2XF	500	1210	41.3	1.20	84.6	36.6	4.9	8.7
Phytogen	PHY 500 W3FE	493	1198	41.1	1.20	82.7	35.2	4.4	8.2
UGA	GA 2016029	493	1228	40.1	1.22	83.9	34.9	4.2	8.1
Dyna-Gro	DG 3520 B3XF	483	1337	36.1	1.25	84.7	35.2	3.7	7.8
Deltapine	18R628NRB3XF	478	1186	40.3	1.13	83.4	34.3	4.1	8.8
UGA	GA 2016060	468	1228	38.1	1.21	84.8	33.2	4.7	7.9
Americot	NG 3994 B3XF	467	1156	40.4	1.17	82.6	30.3	4.6	9.2
Americot	NG 3930 B3XF	466	1246	37.4	1.17	83.5	31.0	4.1	8.9
UGA	GA 2016058	458	1210	37.8	1.24	83.6	35.0	4.3	8.1
Phytogen	PX3D32W3FE	445	1192	37.3	1.21	82.6	35.4	4.2	9.0
Stoneville	ST 4550GLTP	444	1053	42.2	1.13	83.6	32.8	4.6	8.8
Seed Source Genetics	SSG HQ 210 CT	438	1120	39.2	1.08	82.1	32.5	4.8	8.1
Seed Source Genetics	SSG UA 222	438	1174	37.3	1.19	83.8	33.1	4.8	8.4
Deltapine	DP 2055 B3XF	435	1047	41.5	1.16	83.2	31.4	4.6	8.2
Dyna-Gro	DG 3402 B3XF	433	1168	37.1	1.17	81.7	31.9	4.0	8.7
Americot	AMX 19A005 B3XF	432	1107	39.0	1.15	84.0	30.1	4.4	7.9
UGA	GA 2016016	432	1137	38.0	1.22	83.1	33.9	4.0	8.5
UGA	GA 2016090	431	1120	38.5	1.18	83.1	31.2	4.2	7.9
Stoneville	ST 5707B2XF	412	1144	36.0	1.20	83.6	36.3	4.5	8.1
Americot	NG 5711 B3XF	398	1065	37.4	1.15	82.9	32.1	4.4	8.1
Phytogen	PHY 350 W3FE	392	1011	38.8	1.17	84.6	33.3	4.4	8.6

## Plains, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
Americot	AMX 1828 B3XF	386	1004	38.4	1.18	84.2	33.8	4.7	8.6
UGA	GA 2016006	378	974	38.7	1.17	83.6	33.2	4.3	8.1
Americot	AMX 1818 B3XF	366	980	37.3	1.19	83.9	35.8	4.4	8.5
Dyna-Gro	DG 3470 B3XF	348	890	39.1	1.14	83.9	31.9	4.6	8.5
Stoneville	ST 5600B2XF	319	835	38.2	1.15	82.6	33.2	4.9	9.3
Deltapine	DP 1823NR B2XF	301	781	38.5	1.17	83.8	32.8	4.5	8.1
Average		499	1270	39.3	1.17	83.4	32.9	4.4	8.3
LSD at 10% Level		142	357	1.7	0.04	1.4	2.5	0.4	0.6
Model R-square		0.43	0.41	0.88	0.83	0.70	0.76	0.77	0.77
CV %		24.3%	24.0%						
<b>Full-Season Environment</b>									
Deltapine	DP 1840 B3XF	<b>1212</b>	2723	44.5	1.12	81.4	32.1	5.1	7.9
Dyna-Gro	DG 3757 B2XF	<b>1194</b>	2583	46.2	1.11	83.0	30.0	5.2	7.8
UGA	GA 2016029	<b>1177</b>	2644	44.5	1.15	80.9	31.6	4.9	7.9
Phytogen	PX3D32W3FE	<b>1119</b>	2602	43.0	1.19	83.8	33.1	5.0	7.9
Dyna-Gro	DG 3605 B2XF	<b>1074</b>	2475	43.4	1.13	81.9	31.6	4.8	8.0
Deltapine	DP 1555 B2RF	<b>1062</b>	2414	44.0	1.16	82.4	31.2	4.9	7.8
UGA	GA 2016058	<b>1059</b>	2468	42.9	1.14	82.6	31.7	5.1	7.7
Deltapine	DP 2055 B3XF	<b>1059</b>	2372	44.7	1.11	81.2	30.8	4.9	7.7
Phytogen	PX3D43W3FE	<b>1055</b>	2378	44.4	1.11	82.6	32.1	4.8	8.3
Deltapine	DP 1851 B3XF	<b>1045</b>	2287	45.7	1.08	82.4	30.8	5.2	8.0
Stoneville	ST 5818GLT	<b>1039</b>	2444	42.5	1.09	80.9	30.2	4.9	7.7
Dyna-Gro	DG 3799 B3XF	<b>1031</b>	2468	41.8	1.24	83.6	32.9	4.6	7.6
UGA	GA 2016006	<b>1006</b>	2227	45.2	1.13	83.0	33.8	5.1	8.3
UGA	GA 2016060	<b>1005</b>	2251	44.6	1.11	81.9	30.8	5.1	8.5
Dyna-Gro	DG 3560 B2XF	<b>997</b>	2287	43.6	1.16	82.1	33.1	4.9	8.2
Stoneville	ST 4550GLTP	990	2372	41.8	1.11	82.3	30.9	5.0	8.3
Phytogen	PHY 340 W3FE	990	2227	44.5	1.15	83.4	31.0	5.0	7.7
Phytogen	PX3C06W3FE	971	2281	42.6	1.11	81.6	29.7	4.9	8.0
Americot	NG 5711 B3XF	960	2202	43.6	1.13	82.5	31.4	4.7	7.8
Stoneville	ST 6182GLT	945	2239	42.2	1.13	82.4	31.2	4.9	8.0
Americot	NG 3729 B2XF	938	2257	41.6	1.11	82.2	30.4	4.8	7.8
Phytogen	PHY 350 W3FE	934	2233	41.8	1.21	83.2	33.0	4.9	8.5
Croplan	CP 3885 B2XF	921	2172	42.4	1.15	83.3	32.7	5.1	8.2
Phytogen	PHY 400 W3FE	913	2136	42.8	1.13	82.8	30.2	4.9	8.2
Stoneville	ST 5600B2XF	908	2233	40.7	1.19	82.9	35.1	4.8	8.3
Stoneville	ST 5471GLTP	902	2087	43.2	1.10	81.1	29.4	4.6	8.0
Deltapine	DP 1835 B3XF	895	2275	39.3	1.13	83.0	33.3	4.9	7.9
Deltapine	DP 1646 B2XF	884	2033	43.5	1.15	83.0	33.8	4.9	8.3
Stoneville	ST 5707B2XF	876	2105	41.6	1.12	81.6	31.4	5.1	7.8
Croplan	CP 9830 B3XF	864	2100	41.2	1.14	83.1	32.8	4.7	8.0
Phytogen	PHY 480 W3FE	862	2057	41.9	1.13	82.1	32.1	4.5	7.6
UGA	GA 2016016	860	1948	44.1	1.15	83.0	33.0	5.1	7.7
Americot	NG 4936 B3XF	855	2021	42.3	1.15	84.2	33.1	4.9	8.4
Stoneville	BX 2076GLTP	851	2027	42.0	1.15	81.9	31.8	5.0	8.3
Croplan	CP 9608 B3XF	826	1991	41.5	1.12	83.3	30.8	4.6	7.3

## Plains, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Dyna-Gro UGA	DG 3615 B3XF	824	2166	38.1	1.21	84.9	36.6	4.7	8.4
	GA 2016090	805	1930	41.7	1.13	82.8	33.0	5.0	8.2
Dyna-Gro	DG 3526 B2XF	754	1755	43.0	1.19	83.7	33.8	4.7	8.9
Phytogen	PHY 500 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C05W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Average		965	2249	42.8	1.14	82.6	32.0	4.9	8.0
LSD at 10% Level		218	NS	NS	NS	NS	NS	NS	NS
Model R-square		0.34	0.27	0.59	0.58	0.48	0.51	0.52	0.44
CV %		19.3%	19.5%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

4. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.

"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 (Full-season) and June 5 (Short-season), 2019.

Harvested: October 23 (Full-season) and November 19 (Short-season), 2019.

Soil Type: Greenville sandy loam.

Previous Crop: Peanuts.

Fertilization: 15 lb N, 110 lb P, and 60 lb K/acre. Sidedress: 90 lb N/acre.

Management: Conventional tillage. Reflex, Warrant, Staple, and Envoke used for weed control. Bifenthrin and Bidrin used for insect control. Stance used for PGR. Prep, Dropp, and Folex used for defoliation.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.8	1.5	7.3	4.8	1.0	4.8

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



## Tifton, Georgia: Cotton Variety Performance, 2019, Dryland

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
<b>Short-Season Environment</b>									
Croplan	CP 9608 B3XF	<b>2338</b>	4832	48.4	1.15	84.6	30.8	4.7	7.6
Deltapine	DP 1916 B3XF	<b>2104</b>	4485	46.9	1.16	85.0	33.7	5.1	7.9
Dyna-Gro	DGX 18503B B3XF	<b>2053</b>	4556	45.1	1.17	82.7	32.9	4.9	7.8
Deltapine	DP 2055 B3XF	1930	4259	45.3	1.22	84.1	32.0	4.9	6.9
Americot	NG 4936 B3XF	1909	4542	42.0	1.21	85.5	31.1	4.8	6.7
Dyna-Gro	Halo 959 B3XF	1895	4350	43.6	1.21	83.3	33.2	4.8	7.7
Phytogen	PX5C05W3FE	1879	3840	48.9	1.11	85.1	31.5	5.2	7.6
Phytogen	PHY 580 W3FE	1836	3836	47.9	1.15	85.4	33.0	4.9	7.5
Phytogen	PX3C06W3FE	1822	4122	44.2	1.17	84.3	30.4	5.1	6.3
Phytogen	PHY 500 W3FE	1816	3915	46.4	1.19	84.2	34.9	4.5	7.3
Dyna-Gro	DG 3520 B3XF	1780	4241	42.0	1.25	86.0	33.2	4.2	7.3
Phytogen	PX5C45W3FE	1780	3902	45.6	1.12	84.6	32.1	5.0	7.7
Phytogen	PHY 400 W3FE	1748	3872	45.2	1.19	84.4	33.6	4.8	7.0
Stoneville	BX 2076GLTP	1735	3860	45.0	1.17	83.7	33.2	5.3	7.5
Stoneville	ST 6182GLT	1733	3769	46.0	1.15	84.5	31.4	5.0	7.3
Croplan	CP 9178 B3XF	1710	3721	45.9	1.13	84.8	34.3	5.1	7.9
Phytogen	PX5E28W3FE	1709	4048	42.2	1.20	84.0	33.9	4.2	7.2
Stoneville	ST 5818GLT	1676	4017	41.7	1.14	83.1	32.2	4.8	6.6
Americot	AMX 1828 B3XF	1639	3679	44.5	1.18	84.7	33.3	5.2	7.3
Americot	AMX 19A005 B3XF	1626	3642	44.6	1.15	84.3	30.5	4.7	7.2
Phytogen	PX3D32W3FE	1589	3667	43.3	1.19	84.0	34.5	4.8	7.6
Americot	NG 3522 B2XF	1586	3709	42.8	1.11	84.4	29.0	4.7	8.0
Dyna-Gro	DG 3560 B2XF	1573	3455	45.5	1.26	85.8	36.5	5.5	8.1
Americot	AMX 19A006 B3XF	1566	3667	42.7	1.25	84.7	37.2	4.7	7.4
Stoneville	ST 5471GLTP	1563	3775	41.4	1.15	82.9	32.1	4.8	6.6
Croplan	CP 9210 B3XF	1557	3545	43.9	1.17	84.4	31.8	5.4	8.1
Americot	NG 3729 B2XF	1556	3703	42.0	1.14	84.5	30.6	5.2	7.4
Dyna-Gro	DG 3555 B3XF	1549	3636	42.6	1.16	85.2	32.2	4.6	7.7
UGA	GA 2016090	1523	3557	42.8	1.19	84.7	33.5	4.6	7.0
Phytogen	PHY 480 W3FE	1521	3521	43.2	1.15	85.5	32.1	4.8	7.9
Phytogen	PHY 350 W3FE	1520	3515	43.2	1.17	85.1	32.6	4.9	7.3
Stoneville	ST 5600B2XF	1512	3352	45.1	1.16	85.5	34.1	5.7	7.8
Stoneville	ST 4550GLTP	1508	3261	46.2	1.15	85.4	32.8	5.2	7.5
Deltapine	DP 1725 B2XF	1503	3291	45.7	1.17	85.5	32.4	5.2	6.9
Phytogen	PX5E34W3FE	1502	3546	42.4	1.18	84.4	32.7	4.3	6.9
Seed Source Genetics	SSG UA 222	1495	3667	40.8	1.17	85.1	31.3	5.0	6.6
Dyna-Gro	DG 3402 B3XF	1487	3455	43.0	1.21	85.5	33.8	5.0	7.5
Phytogen	PX3D43W3FE	1441	3358	42.9	1.15	84.7	34.1	4.7	7.5
UGA	GA 2016016	1435	3339	43.0	1.23	83.1	35.1	4.7	7.4
Stoneville	ST 5707B2XF	1435	3606	39.8	1.21	85.4	36.4	5.1	8.4
Deltapine	18R628NRB3XF	1428	3116	45.8	1.15	84.6	36.0	4.8	7.5
Deltapine	DP 1646 B2XF	1427	3176	44.9	1.21	84.0	31.2	4.9	6.9
Deltapine	DP 1823NR B2XF	1424	3110	45.8	1.19	84.9	33.2	4.6	7.5
UGA	GA 2016060	1423	3310	43.0	1.19	84.1	34.8	5.0	7.0
Americot	NG 5711 B3XF	1419	3213	44.2	1.17	84.0	32.0	5.0	7.1
Americot	NG 3930 B3XF	1419	3323	42.7	1.18	85.1	31.5	4.9	7.6
UGA	GA 2016029	1419	3219	44.1	1.21	83.5	35.0	5.1	7.4
Americot	NG 3994 B3XF	1414	3134	45.1	1.13	81.8	32.3	4.8	7.7
Seed Source Genetics	SSG HQ 210 CT	1393	3509	39.7	1.12	84.0	32.8	5.2	6.7
Dyna-Gro	DG 3470 B3XF	1366	3049	44.8	1.13	82.9	29.9	5.2	7.9

## Tifton, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				Yellowness <sup>3</sup> grade
					Length inches	Uniformity %	Strength g/tex	Micronaire units	
Phytogen	PHY 340 W3FE	1313	2868	45.8	1.17	85.1	32.6	4.7	7.5
Seed Source Genetics	SSG UA 114	1199	2995	40.0	1.17	86.2	33.7	5.1	7.1
Americot	AMX 1816 B3XF	1194	2983	40.0	1.21	84.5	32.5	4.7	7.6
Americot	AMX 1818 B3XF	1192	2783	42.8	1.19	84.7	34.5	4.6	7.0
UGA	GA 2016006	1177	2698	43.6	1.19	84.2	33.2	4.6	6.5
UGA	GA 2016058	928	2220	41.8	1.22	85.6	33.1	4.5	7.2
Average		1568	3570	43.9	1.17	84.5	32.9	4.9	7.3
LSD at 10% Level		286	646	1.5	0.04	1.3	1.7	0.3	0.6
Model R-square		0.63	0.59	0.92	0.77	0.72	0.85	0.85	0.80
CV %		15.2%	15.0%						
<b>Full-Season Environment</b>									
Dyna-Gro	DG 3799 B3XF	<b>2267</b>	4967	45.6	1.14	83.6	33.4	5.0	8.0
Dyna-Gro	DG 3615 B3XF	1922	4229	45.4	1.17	83.1	32.0	5.0	7.8
Deltapine	DP 1851 B3XF	1899	4181	45.4	1.15	83.3	34.8	4.9	7.1
Deltapine	DP 1555 B2RF	1876	4090	45.9	1.17	84.6	32.9	4.9	7.5
Phytogen	PHY 480 W3FE	1856	4241	43.8	1.13	84.1	32.6	4.8	7.7
Croplan	CP 3885 B2XF	1853	4096	45.3	1.11	83.6	29.7	4.9	8.2
Deltapine	DP 1835 B3XF	1823	4005	45.5	1.17	84.0	31.3	5.1	7.5
Croplan	CP 9608 B3XF	1819	3914	46.5	1.15	83.5	30.5	4.9	7.4
Dyna-Gro	DG 3560 B2XF	1812	4029	45.0	1.21	84.9	35.2	5.2	7.8
Dyna-Gro	DG 3757 B2XF	1777	4078	43.6	1.13	83.9	28.8	5.0	8.3
Stoneville	ST 5707B2XF	1739	4320	40.3	1.17	84.9	34.8	5.2	8.7
Stoneville	BX 2076GLTP	1734	3817	45.4	1.15	84.1	31.7	5.3	7.2
Stoneville	ST 6182GLT	1723	3673	46.9	1.13	84.6	29.9	5.0	7.4
Phytogen	PHY 400 W3FE	1719	3902	44.1	1.17	83.7	31.9	4.7	7.6
Deltapine	DP 2055 B3XF	1691	3715	45.5	1.22	83.8	32.2	4.9	7.0
Deltapine	DP 1646 B2XF	1683	3691	45.6	1.19	83.8	31.1	5.1	6.8
Stoneville	ST 4550GLTP	1666	3654	45.6	1.15	84.2	33.4	4.9	7.7
Deltapine	DP 1840 B3XF	1636	3914	41.8	1.20	83.8	32.0	4.9	7.3
Stoneville	ST 5600B2XF	1614	3642	44.3	1.13	84.7	32.4	5.6	8.1
Dyna-Gro	DG 3526 B2XF	1603	3563	45.0	1.13	84.2	31.3	4.9	7.7
Stoneville	ST 5818GLT	1573	3787	41.5	1.15	83.6	32.7	4.7	6.5
Americot	NG 5711 B3XF	1559	3654	42.7	1.17	83.8	31.7	4.7	7.6
Croplan	CP 9830 B3XF	1531	3304	46.3	1.25	83.9	32.0	4.9	6.9
Phytogen	PX3D32W3FE	1512	3564	42.4	1.18	84.0	32.7	4.6	8.0
Dyna-Gro	DG 3605 B2XF	1444	3279	44.0	1.20	82.4	30.6	4.7	7.1
Phytogen	PHY 340 W3FE	1432	3213	44.6	1.15	83.4	32.7	4.8	7.6
UGA	GA 2016029	1422	3285	43.3	1.23	83.8	37.4	4.8	7.5
Phytogen	PX3D43W3FE	1408	3213	43.9	1.12	84.0	32.8	5.0	7.8
Americot	NG 4936 B3XF	1401	3310	42.3	1.19	85.7	31.9	4.9	6.8
Phytogen	PHY 350 W3FE	1398	3291	42.5	1.17	84.5	31.3	5.0	7.2
Stoneville	ST 5471GLTP	1397	3279	42.6	1.14	82.1	33.0	4.7	6.9
Americot	NG 3729 B2XF	1392	3321	41.9	1.15	84.2	29.9	5.1	7.3
UGA	GA 2016090	1363	3243	42.0	1.18	83.2	34.1	4.6	7.3
Phytogen	PX3C06W3FE	1346	3128	43.0	1.14	82.1	30.3	4.9	7.0
UGA	GA 2016016	1274	2953	43.2	1.18	84.6	35.7	4.8	7.4

## Tifton, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
UGA	GA 2016058	1212	2953	41.0	1.17	84.9	31.3	4.7	7.5
UGA	GA 2016060	1197	2916	41.0	1.17	83.8	31.9	4.9	7.1
UGA	GA 2016006	1091	2602	41.9	1.23	84.2	34.4	4.9	6.9
Phytogen	PHY 500 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PHY 580 W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C05W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5C45W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E28W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Phytogen	PX5E34W3FE <sup>4</sup>	.	.	.	.	.	.	.	.
Average		1596	3632	43.9	1.17	83.9	32.3	4.9	7.4
LSD at 10% Level		230	522	1.7	0.04	1.2	2.0	0.3	0.4
Model R-square		0.77	0.74	0.87	0.77	0.67	0.82	0.69	0.87
CV %		12.3%	12.2%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.
  2. Obtained from USDA classing office in Macon, Georgia.
  3. Color grade (+b).
  4. These are full-season varieties, entered as full-season varieties, but mistakenly assigned to short-season tests.
- "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 1, 2019.  
 Harvested: October 3, 2019.  
 Soil Type: Tifton loamy sand.  
 Previous Crop: Peanut.  
 Soil Test: P = Low, K = Low, and pH = 6.5.  
 Fertilization: 30 lb N, 110 lb P, and 120 lb K/acre. Sidedress: 75 lb N and 35 lb K/acre.  
 Management: Conventional tillage. Staple, Reflex, Cotoran, Warrant, and Select used for weed control. Besiege, Knack, and Agri-Mek used for insect control. Mepiquat chloride used for PGR. Folex, Detach, Ultra, Prep, and ET used for defoliation. Telone used for nematode control.

Rainfall (in):  
 May 1.3      June 6.6      July 4.2      Aug. 6.5      Sept. 0.5

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

## Midville, Georgia: Cotton Strains Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Dyna-Gro	DGX 19051 B3XF	<b>2676</b>	5747	46.6	1.22	84.5	33.7	4.3	7.6
Dyna-Gro	DGX 19523 B3XF	2413	5227	46.2	1.17	83.3	30.1	4.3	8.2
Dyna-Gro	DGX 19010 B3XF	2348	4894	48.0	1.27	81.9	31.3	4.1	6.1
Dyna-Gro	DGX 19731 GLTP	2225	5179	43.0	1.23	84.4	32.6	4.3	7.1
Dyna-Gro	DGX 19008 B3XF	2212	4677	47.3	1.21	84.3	31.9	4.4	6.4
UGA	GA 2015026	2149	4889	44.0	1.24	83.7	34.6	4.3	6.9
Dyna-Gro	DGX 19003 B3XF	2095	4774	43.9	1.15	83.7	29.9	4.6	7.2
Dyna-Gro	DGX 19735 GLTP	2079	4713	44.1	1.17	82.7	29.6	4.2	7.5
Dyna-Gro	DGX 1901 GLTP	2017	4489	44.9	1.17	83.4	30.4	4.3	7.0
Dyna-Gro	DGX 19525 B3XF	1990	4489	44.3	1.18	83.8	33.0	4.6	7.3
UGA	GA 2016103	1774	4048	43.9	1.18	83.1	34.1	4.2	7.1
UGA	GA 2015018	1770	4265	41.5	1.19	84.8	30.5	4.3	7.0
UGA	GA 2015046	1765	4435	39.8	1.19	84.0	32.5	4.1	7.0
Dyna-Gro	DGX 19006 B3XF	1703	4253	40.0	1.17	82.5	29.9	4.1	6.5
Dyna-Gro	DGX 19015 B3XF	1673	4096	40.9	1.19	84.0	32.2	4.1	7.4
UGA	GA 2015068	1634	3951	41.3	1.19	83.1	32.5	4.1	7.4
Dyna-Gro	DGX 19004 B3XF	1467	3491	42.0	1.21	83.2	29.1	4.3	7.4
UGA	GA 2016110	1460	3606	40.5	1.21	84.2	33.8	4.4	6.7
Average		1969	4512	43.5	1.20	83.6	31.7	4.2	7.1
LSD at 10% Level		176	398	1.9	0.05	NS	2.1	0.4	0.7
Model R-square		0.87	0.80	0.91	0.73	0.52	0.80	0.61	0.75
CV %		7.5%	7.4%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

"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 6, 2019.

Harvested: October 10, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Peanuts.

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

Fertilization: 30 lb N, 90 lb P, and 84 lb K/acre. Sidedress: 80 lb N/acre.

Management: Conventional tillage. Pendimethalin, Liberty, Reflex, Diuron, Staple, Gramoxone, Valor, MSMA, and Envoke used for weed control. Bidrin and Acephate used for insect control. Mepiquat used for PGR. Folex, Dropp, and Ethephon used for defoliation. Telone used for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.5	1.5	4.1	1.3	0.0	0.0
Rainfall (in):	1.8	3.3	2.5	5.5	0.5	0.0

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

## Plains, Georgia: Cotton Strains Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Dyna-Gro	DGX 19735 GLTP	<b>1316</b>	2983	44.1	1.15	83.6	31.9	4.7	8.0
Dyna-Gro	DGX 19003 B3XF	<b>1298</b>	2928	44.3	1.08	81.3	29.7	5.1	7.1
Dyna-Gro	DGX 19731 GLTP	<b>1293</b>	3079	42.0	1.15	82.4	30.2	4.9	8.1
Dyna-Gro	DGX 19010 B3XF	<b>1289</b>	2923	44.1	1.21	82.3	30.7	4.4	7.7
Dyna-Gro	DGX 1901 GLTP	<b>1278</b>	2850	44.9	1.14	82.8	31.9	5.1	8.1
UGA	GA 2015046	<b>1197</b>	2977	40.2	1.17	83.6	33.3	4.6	7.7
Dyna-Gro	DGX 19051 B3XF	<b>1153</b>	2547	45.3	1.15	81.6	32.8	4.6	7.9
Dyna-Gro	DGX 19004 B3XF	<b>1150</b>	2771	41.5	1.13	82.6	29.6	4.9	8.1
Dyna-Gro	DGX 19015 B3XF	1128	2727	41.4	1.16	83.5	34.3	5.2	7.7
UGA	GA 2015026	1098	2595	42.3	1.19	82.7	32.8	4.8	7.4
UGA	GA 2015018	1083	2571	42.1	1.15	84.8	31.8	5.2	7.2
Dyna-Gro	DGX 19008 B3XF	1059	2348	45.1	1.17	82.2	31.8	4.7	7.3
Dyna-Gro	DGX 19523 B3XF	1059	2450	43.2	1.13	83.1	29.4	5.0	7.9
UGA	GA 2015068	978	2378	41.1	1.17	84.0	34.2	4.8	8.0
Dyna-Gro	DGX 19006 B3XF	961	2499	40.3	1.11	82.3	30.4	4.7	7.4
UGA	GA 2016103	924	2220	41.6	1.17	84.7	33.7	5.1	7.6
UGA	GA 2016110	897	2190	41.0	1.17	84.1	34.3	5.3	7.8
Dyna-Gro	DGX 19525 B3XF	859	2535	45.2	1.16	83.7	33.0	5.4	7.8
Average		1111	2637	42.8	1.15	83.0	32.0	4.9	7.7
LSD at 10% Level		188	404	2.4	NS	1.3	2.1	0.4	NS
Model R-square		0.68	0.69	0.78	0.58	0.77	0.80	0.72	0.51
CV %		14.0%	12.7%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

"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, 2019.

Harvested: October 23, 2019.

Soil Type: Greenville sandy loam.

Previous Crop: Peanuts.

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

Fertilization: 15 lb N, 90 lb P, and 0 lb K/acre. Sidedress: 90 lb N/acre.

Management: Conventional tillage. Reflex, Warrant, Staple, and Envoke used for weed control. Bifenthrin and Bidrin used for insect control. Stance used for PGR. Prep, Dropp, and Folex used for defoliation.

May      June      July      Aug.      Sept.      Oct.

Irrigation (in): ----- 6.7 inches season total -----

Rainfall (in):      0.8      1.5      7.3      4.8      1.0      4.8

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

## Tifton, Georgia: Cotton Strains Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint Yield lb/acre	Seed Cot. Yield lb/acre	Lint <sup>1</sup> %	Fiber Quality <sup>2</sup>				
					Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness <sup>3</sup> grade
Dyna-Gro	DGX 19051 B3XF	<b>1956</b>	4144	47.2	1.14	82.3	29.8	4.5	7.1
Dyna-Gro	DGX 1901 GLTP	<b>1868</b>	4199	44.5	1.14	84.2	29.5	4.9	7.0
Dyna-Gro	DGX 19008 B3XF	<b>1826</b>	3928	46.5	1.20	83.0	30.0	4.5	6.7
Dyna-Gro	DGX 19735 GLTP	<b>1813</b>	4096	44.3	1.15	82.8	29.6	4.5	7.0
Dyna-Gro	DGX 19010 B3XF	<b>1770</b>	3915	45.2	1.20	82.4	30.9	4.3	6.3
UGA	GA 2016103	1683	4033	41.7	1.19	83.7	33.0	5.0	6.4
Dyna-Gro	DGX 19003 B3XF	1643	3880	42.3	1.12	84.2	31.1	4.9	7.3
Dyna-Gro	DGX 19731 GLTP	1621	3830	42.3	1.19	82.2	32.4	4.6	6.5
Dyna-Gro	DGX 19523 B3XF	1582	3527	44.9	1.11	83.2	29.0	4.6	7.5
UGA	GA 2015046	1543	3794	40.7	1.17	83.5	33.7	4.3	7.0
Dyna-Gro	DGX 19525 B3XF	1537	3424	44.9	1.16	84.5	32.5	5.2	7.0
UGA	GA 2015068	1470	3549	41.4	1.15	84.3	31.4	4.6	7.1
Dyna-Gro	DGX 19015 B3XF	1425	3382	42.1	1.14	83.0	30.4	4.5	7.0
UGA	GA 2015018	1403	3372	41.6	1.19	84.6	30.9	4.9	6.4
UGA	GA 2016110	1393	3327	41.8	1.19	85.1	35.8	5.1	6.8
UGA	GA 2015026	1352	3189	42.4	1.19	83.1	32.4	4.7	6.5
Dyna-Gro	DGX 19006 B3XF	1337	3370	39.7	1.15	83.6	30.4	4.4	5.9
Dyna-Gro	DGX 19004 B3XF	1272	3031	42.0	1.18	83.2	29.6	4.6	6.8
Average		1581	3660	43.1	1.17	83.5	31.2	4.6	6.8
LSD at 10% Level		271	612	1.1	0.04	1.5	1.9	0.3	0.7
Model R-square		0.56	0.44	0.95	0.72	0.66	0.84	0.85	0.66
CV %		13.8%	13.5%						

1. Determined using table-top gins at the Statewide Variety Testing Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

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

Planted: May 2, 2019.

Harvested: October 1, 2019.

Soil Type: Tifton loamy sand.

Previous Crop: Peanut.

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

Fertilization: 30 lb N, 110 lb P, and 120 lb K/acre. Sidedress: 75 lb N and 35 lb K/acre.

Management: Conventional tillage. Staple, Reflex, Cotoran, Warrant, and Select used for weed control. Besiege, Knack, and Agri-Mek used for insect control. Mepiquat chloride used for PGR. Folex, Detach, Ultra, Prep, and ET used for defoliation. Telone used for nematode control.

May June July Aug. Sept.

Irrigation (in): 2.0 2.0 3.0 1.0 3.0

Rainfall (in): 1.3 6.6 4.2 6.5 0.5

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

# TOBACCO

Tifton, Georgia:

## Official Flue-Cured Tobacco Variety Test - Yield, Value, Price Index, Grade Index, and Agronomic and Chemical Characteristics of Released Varieties, 2019

Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Leaves/ Plant (number)	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
NC 1960	3321	4459	134	68	23	44.1	68	2.26	17.3	7.67
NC 989	3299	4409	134	68	20	38.7	61	2.26	18.0	7.98
PVH 2360	3075	3894	127	66	20	40.4	58	2.95	17.3	5.88
NC 986	2951	3876	131	68	21	40.3	61	2.05	19.3	9.43
NC 1226	2929	3728	127	65	22	40.9	60	2.26	16.9	7.47
NC 980	2890	3768	131	66	20	37.3	60	2.42	18.0	7.47
NC 938	2830	3548	124	63	21	39.0	58	2.39	15.7	6.55
CC 35	2808	3580	128	65	20	42.4	61	2.76	16.8	6.10
NC 196	2776	3737	134	69	21	41.1	66	2.15	17.1	7.95
NC 925	2715	3515	129	67	21	39.3	59	2.11	17.9	8.50
K 326	2647	3597	135	69	20	38.0	61	2.39	18.8	7.86
CC 13	2647	3659	138	71	21	39.7	59	2.19	18.3	8.34
CC 37	2642	3683	138	71	22	39.5	63	2.46	17.2	7.00
NC 987	2604	3699	142	72	22	41.1	61	1.96	16.9	8.64
K 346	2582	3468	134	69	21	37.5	61	2.41	17.2	7.14
CC 33	2577	3429	133	68	21	39.9	62	2.11	20.8	9.87
CC 27	2569	3604	140	71	20	36.9	60	2.20	16.9	7.65
CC 144	2565	3542	138	71	22	40.4	59	2.33	18.5	7.93
PVH 2275	2560	3503	135	69	21	39.9	60	2.61	16.7	6.37
CC 145	2538	3496	138	71	21	41.5	59	2.38	16.2	6.78
PVH 1610	2516	3312	132	67	21	39.8	63	2.27	17.7	7.79
PVH 2343	2499	3290	132	68	21	43.3	62	2.02	18.7	9.24
PVH 1600	2492	3398	137	69	21	37.5	63	3.01	17.4	5.77
CC 143	2433	3333	137	70	23	42.0	64	2.29	18.8	8.21
GL 365	2407	3198	134	68	23	40.4	70	2.35	16.8	7.16
PVH 1920	2392	3246	134	68	22	38.9	65	2.29	18.0	7.86
NC 95	2368	3146	133	68	19	40.1	60	2.90	17.8	6.14
NC 606	2363	3267	138	71	22	43.1	63	2.24	18.9	8.43
CC 1063	2358	3263	139	71	21	37.5	62	2.35	17.6	7.47
CC 67	2280	3042	134	68	21	39.5	60	2.35	16.8	7.13
GL 395	2268	3046	134	69	21	39.1	59	3.14	15.3	4.88
PVH 2408	2253	2880	128	64	20	39.3	58	2.43	17.5	7.22
NC 297	2246	2912	130	65	20	36.6	59	2.41	19.0	7.87
GF 318	2185	2994	137	70	21	39.9	61	2.44	18.1	7.42
NC 72	2134	2938	138	71	21	39.3	64	2.58	16.9	6.54
GL 26H	1935	2663	137	70	21	39.9	62	2.08	17.8	8.58
CC 700	1813	2549	140	71	21	36.3	61	2.42	17.2	7.11
PVH 2310	1707	2418	139	71	20	38.3	61	2.64	14.0	5.31
LSD @ 0.05	524.3	834.7	11.7	6.2						

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

1. Price Index based on two year average 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, 2017, 2018 and 2019**

Variety	Yield	Value	Price Index <sup>1</sup>	Grade Index <sup>2</sup>	Leaves/Plant	Plant Ht.	Days to Flower	Total Alkaloids	Reducing Sugars	Ratio RS/TA
	lb/A	\$/A	\$/CWT		(number)	in		%	%	
3 Year Average 2017, 2018 and 2019										
NC 1226	2689	3278	122	63	20	43.6	66	1.68	18.4	11.7
PVH 2360	2653	3086	116	61	20	43.9	67	2.37	16.9	7.4
CC 145	2550	3203	127	66	20	44.8	67	1.82	16.6	9.6
CC 35	2545	2883	112	57	20	46.6	70	1.93	17.9	10.1
NC 938	2518	3159	124	64	21	41.8	67	1.73	16.2	10.0
NC 196	2447	3010	123	63	20	42.2	69	1.72	18.6	11.5
CC 143	2442	3139	129	66	21	44.3	69	1.72	18.6	11.4
NC 925	2441	2877	118	62	20	40.0	68	1.83	17.8	9.9
CC 37	2426	3097	126	66	20	42.7	69	1.89	18.4	10.3
PVH 2275	2402	3115	129	67	20	43.3	67	1.90	17.5	9.9
K 326	2380	2920	122	63	20	41.0	67	1.81	19.0	11.0
K 346	2335	2978	127	66	20	41.4	67	1.89	17.7	9.8
CC 27	2326	3021	129	67	20	41.7	67	1.71	17.6	10.7
GF 318	2322	2834	124	64	20	43.0	67	1.91	19.5	11.1
PVH 1600	2322	2946	127	66	21	42.1	69	2.02	18.4	10.2
CC 1063	2318	2911	126	65	21	42.4	67	1.78	18.2	10.9
CC 144	2280	2799	125	65	21	42.6	67	1.86	18.6	10.7
PVH 1920	2272	2812	123	64	21	42.1	69	1.86	18.5	10.5
NC 95	2262	2714	120	61	20	45.5	66	2.19	17.8	8.5
GL 395	2250	2794	125	65	20	42.5	65	2.30	16.4	7.6
NC 606	2229	2912	131	68	21	42.8	69	1.88	19.4	10.7
NC 72	2159	2589	122	63	20	41.8	70	1.83	18.0	10.7
CC 13	2110	2688	125	65	21	42.0	68	1.65	19.7	12.7
PVH 2310	2022	2782	136	71	20	41.9	67	1.91	15.7	9.0
CC 700	1935	2622	136	70	20	38.8	67	2.09	17.5	8.6



**Tifton, Georgia:**  
**Three and Two -Year Averages of Official Flue-Cured Tobacco**  
**Variety Test - Comparison of Released Varieties**  
**for Certain Characteristics, 2017, 2018 and 2019**  
**(Continued)**

Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Leaves/ Plant (number)	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
2 Year Average 2018-2019										
NC 986	2558	3178	123	64	21	43.0	68	1.60	19.3	13.0
NC 1960	2535	3272	128	66	23	43.5	73	1.74	16.7	10.4
NC 1226	2501	3138	125	65	21	42.6	64	1.86	18.2	10.4
CC 35	2461	2819	113	57	21	45.1	69	2.09	17.1	9.1
NC 938	2460	3092	125	64	21	40.4	66	1.90	15.6	8.8
PVH2360	2449	2979	120	63	21	42.6	66	2.40	17.1	7.5
NC 980	2430	2933	119	61	20	40.0	67	1.85	18.2	10.9
PVH 2343	2400	3061	129	67	22	45.5	67	1.70	19.8	12.2
NC 987	2367	3130	132	68	21	42.7	66	1.58	17.7	12.0
K 346	2297	2972	128	66	21	40.5	66	2.08	17.2	8.5
CC 145	2276	3058	134	70	21	44.1	66	1.89	16.5	9.4
CC 37	2271	2970	128	67	21	41.5	69	1.95	18.4	10.4
NC 95	2265	2846	125	64	20	44.8	64	2.41	17.0	7.3
NC 196	2258	2948	129	67	21	41.3	68	1.72	18.7	11.8
NC 925	2246	2841	125	66	21	39.5	67	1.80	17.7	10.1
PVH 2275	2239	2966	131	68	21	42.3	66	2.04	16.7	8.9
CC 143	2212	2918	131	68	22	43.0	68	1.77	18.0	11.0
PVH 1600	2205	2937	133	68	21	40.0	68	2.27	18.4	9.2
K 326	2204	2807	125	65	21	40.2	66	1.96	18.9	10.2
PVH 1920	2190	2801	126	65	22	40.5	68	1.85	18.8	10.9
CC 1063	2173	2845	132	68	21	40.6	65	1.82	18.1	10.9
PVH 1610	2162	2834	131	68	21	41.4	68	1.78	17.4	10.6
CC 27	2151	2910	134	70	21	40.3	67	1.82	17.0	9.8
CC 33	2140	2780	129	67	21	39.9	68	1.67	20.2	12.9
PVH 2408	2087	2553	123	63	21	42.5	66	1.89	18.7	11.0
CC 67	2073	2630	126	65	21	42.7	64	1.90	18.6	10.6
NC 297	2068	2597	126	65	21	39.4	65	2.02	19.0	9.8
GF 318	2028	2692	133	69	21	42.8	67	1.88	19.9	11.9
NC 606	2025	2748	135	71	22	42.5	68	1.83	19.5	11.2
CC 13	2017	2632	127	66	22	41.3	67	1.77	20.0	12.2
CC 144	1996	2679	134	69	21	40.9	66	1.80	18.6	11.4
NC 72	1991	2637	133	68	21	40.9	70	1.99	17.7	9.9
GL 395	1976	2595	131	68	21	42.2	65	2.44	15.6	7.0
GL 26H	1963	2640	135	69	22	42.7	67	1.89	17.5	9.3
CC 700	1690	2356	139	71	20	37.7	67	2.06	17.2	8.6
PVH 2310	1648	2318	138	72	20	40.2	67	1.98	14.7	8.5

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, 2019**

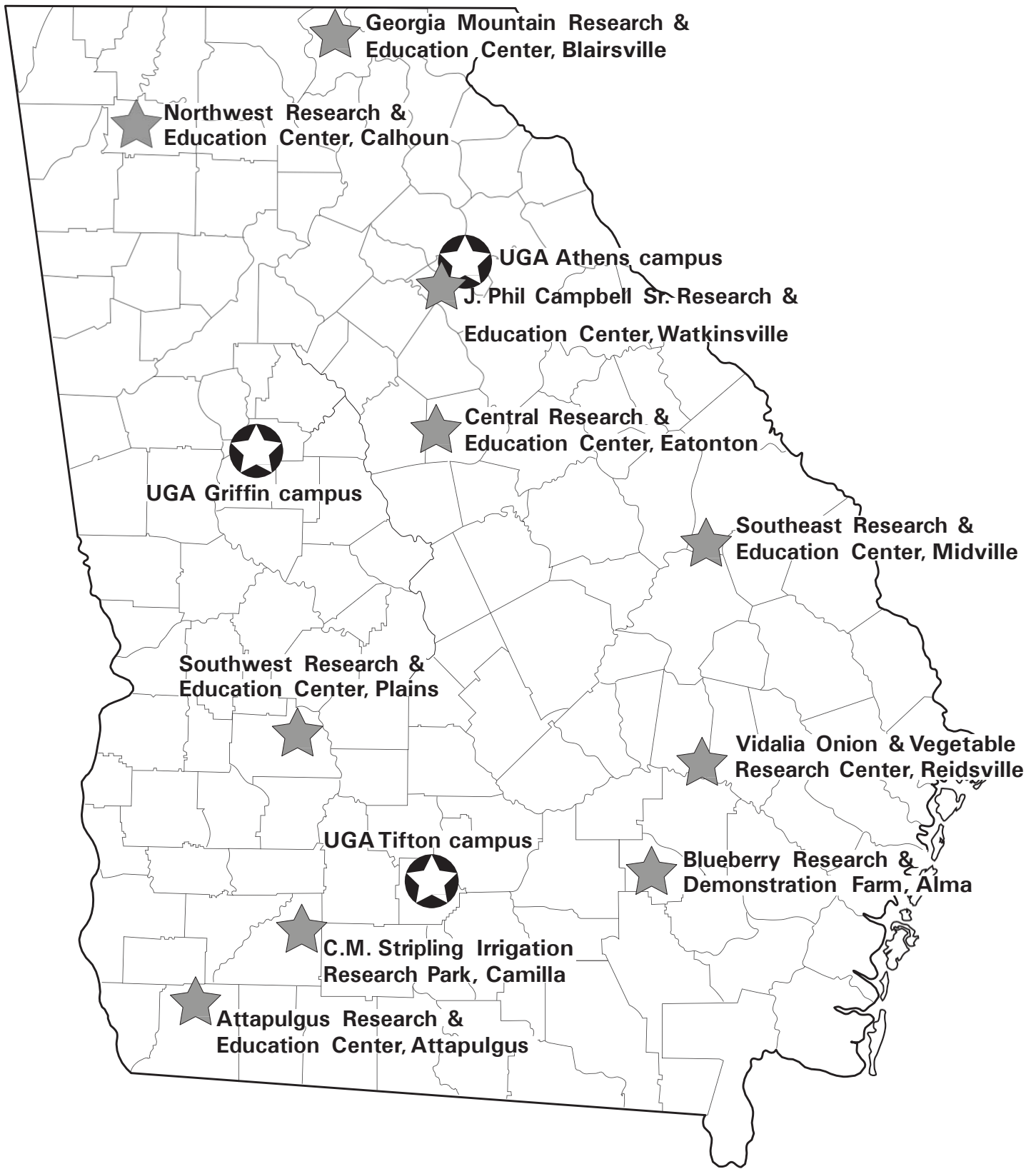
Variety	Yield lb/A	Value \$/A	Price Index <sup>1</sup> \$/CWT	Grade Index <sup>2</sup>	Leaves/ Plant (number)	Plant Ht. in	Days to Flower	Total Alkaloids %	Reducing Sugars %	Ratio RS/TA
NCEX 96	2864	3916	137	71	23	45.9	59	2.47	18.4	7.4
NCEX 97	2720	3586	132	67	22	39.2	57	2.30	17.1	7.5
NCEX 95	2585	3296	128	65	19	45.6	60	2.42	15.1	6.2
K 326	2552	3399	134	68	21	38.7	58	2.62	15.8	6.0
GF 315	2441	3199	131	68	21	42.3	56	3.11	15.8	5.1
PXH 31	2410	3110	130	67	24	46.7	66	2.33	16.6	7.1
PXH 39	2321	3077	133	69	22	43.3	57	2.27	15.0	6.6
NC 95	2259	3003	134	69	19	41.9	59	3.43	16.3	4.8
LAFC 53	1846	2535	137	70	18	39.2	53	0.70	11.3	16.1
PXH 40	1835	2410	132	68	24	42.7	65	2.59	12.7	4.9
LSD -0.05	395.8	470.3	8.9	5.0						

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.

<sup>1</sup> Price Index based on two-year average prices for U.S. government grades.

<sup>2</sup> 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.



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ADDRESS CORRECTION REQUESTED

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- A pedigree record that begins with the release of breeder seed and continues until it reaches the consumer as certified (blue tag) seed.
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- Certified seed can only be conditioned in an approved facility.
- Certified seed must meet high quality standards as to germination and purity.
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