**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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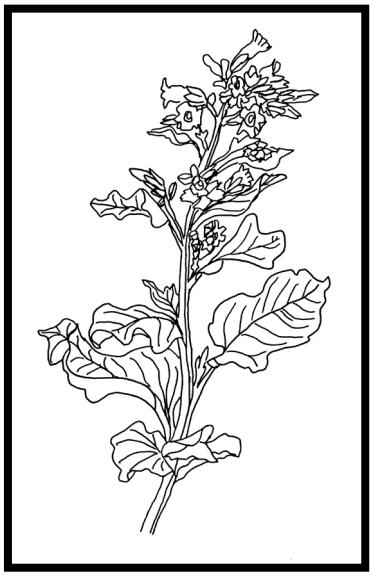
# GEORGIA
## 2019 Peanut, Cotton, and Tobacco Performance Tests

Daniel J. Mailhot, Dustin D. Dunn, Henry Jordan Jr.,
and Stevan S. LaHue, *Editors*



## Conversion Table

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



## COTTON



## TOBACCO

# 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 | | | | | | | | |
| **Runner Types** | | | | | | | | | |
| Georgia-12Y | **7085** | **6508** | **6276** | **4398** | **4371** | **4656** | **5741** | **5439** | **5466** |
| FloRun™ '331' | **6857** | **6558** | **6350** | **4606** | **4536** | **4768** | **5731** | **5547** | **5559** |
| Georgia-16HO | 6395 | 6034 | 6052 | **4594** | **4404** | **4600** | 5494 | 5219 | 5326 |
| ARS 13-1125 | 6548 | . | . | **4412** | . | . | 5480 | . | . |
| Georgia-18RU | 6663 | **6428** | 6127 | 4243 | **4361** | 4494 | 5453 | **5395** | 5311 |
| Georgia-06G | 6371 | 6144 | 6027 | **4463** | **4378** | **4671** | 5417 | 5261 | 5349 |
| Georgia-13M | 6627 | 6228 | 5992 | 4160 | **4267** | **4542** | 5394 | 5248 | 5267 |
| TUFRunner™ '297' | 6252 | 5871 | 5930 | **4479** | **4274** | **4521** | 5365 | 5072 | 5226 |
| GA 152545 | 6171 | . | . | **4427** | . | . | 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 | **4332** | **4254** | 4213 | 5208 | 5110 | 4846 |
| GA 163119 | 6346 | . | . | 3991 | . | . | 5169 | . | . |
| GA 132712 | 5885 | 5649 | 5539 | **4300** | 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 |
| **Virginia Types** | | | | | | | | | |
| ARS 13-3532 | **6808** | . | . | **4560** | . | . | **5684** | . | . |
| Georgia-19HP | 6387 | **6070** | **5834** | 4203 | **4436** | **4635** | 5295 | **5253** | **5234** |
| Georgia-11J | **6607** | **6268** | **6002** | 3499 | 3819 | 4095 | 5053 | 5043 | **5049** |
| 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---------- | | | | | | | | |
| **Spanish Types** | | | | | | | | | |
| Georgia-17SP | **5983** | **5267** | **5049** | | | | | | |
| 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 | | | | | | |
| **Valencia Types** | | | | | | | | | |
| GA 142537 | **4398** | **4026** | **4000** | | | | | | |
| 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 Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Runner Types** | | | | | | | |
| GA 163120 | 10/11 | **7175** | 76.0 | 2.5 | 1.5 | . | 647 |
| Georgia-12Y | 10/11 | **7109** | 72.5 | 2.0 | 1.5 | . | 767 |
| Georgia-16HO | 10/04 | **6933** | 73.0 | 2.5 | 2.0 | . | 694 |
| FloRun™ '331' | 10/04 | **6879** | 74.5 | 2.5 | 0.5 | . | 699 |
| GA 142728 | 10/04 | **6867** | 79.5 | 2.0 | 0.5 | . | 681 |
| Georgia-18RU | 10/11 | **6867** | 77.0 | 3.0 | 1.0 | . | 686 |
| Georgia Greener | 10/04 | **6867** | 76.5 | 2.0 | 1.0 | . | 750 |
| GA 163119 | 10/11 | **6843** | 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 |
| | | | | | | | |
| **Virginia Types** | | | | | | | |
| ARS 13-3532 | 10/04 | **6437** | 69.5 | 3.5 | 0.5 | 42.0 | 520 |
| Georgia-19HP | 10/04 | **6353** | 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 Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Spanish Types** | | | | | | | |
| Georgia-17SP | 10/04 | **5983** | 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 |
| **Valencia Types** | | | | | | | |
| GA 142537 | 09/13 | **4398** | 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 $P_2O_5$, 0 lb $K_2O$, 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 Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Runner Types** | | | | | | | |
| TUFRunner™ '297' | 10/04 | **6346** | 75.5 | 2.0 | 1.0 | . | 610 |
| GA 132712 | 10/11 | **6280** | 78.0 | 3.5 | 0.5 | . | 618 |
| FloRun™ '331' | 10/04 | **6207** | 73.5 | 3.5 | 0.0 | . | 722 |
| Georgia-16HO | 10/04 | **6195** | 77.5 | 2.0 | 0.5 | . | 643 |
| GA 152545 | 10/04 | **6129** | 75.0 | 2.5 | 2.0 | . | 730 |
| Georgia-18RU | 10/11 | **6062** | 76.0 | 3.5 | 1.5 | . | 671 |
| ARS 13-1125 | 10/04 | **5965** | 75.0 | 1.5 | 1.0 | . | 638 |
| Georgia-06G | 10/04 | **5953** | 74.5 | 2.0 | 1.0 | . | 662 |
| AU-NPL 17 | 10/04 | **5899** | 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 |
| **Virginia Types** | | | | | | | |
| ARS 13-3532 | 10/04 | **6268** | 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 $P_2O_5$, 0 lb $K_2O$, 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 Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Runner Types** | | | | | | | |
| Georgia-12Y | 10/24 | **6262** | 74.5 | 3.0 | 1.0 | . | 731 |
| FloRun™ '331' | 10/07 | **5905** | 75.0 | 3.5 | 1.5 | . | 803 |
| Georgia-18RU | 10/24 | **5808** | 78.0 | 3.0 | 1.0 | . | 674 |
| Georgia-13M | 10/24 | **5784** | 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 |
| **Virginia Types** | | | | | | | |
| ARS 13-3532 | 10/07 | **6183** | 73.5 | 2.5 | 0.5 | 43.0 | 536 |
| Georgia-11J | 10/24 | **5929** | 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 $P_2O_5$, 0 lb $K_2O$, 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 Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Runner Types** | | | | | | | |
| FloRun™ '331' | 10/07 | **5034** | 74.5 | 2.5 | 2.0 | . | 724 |
| TUFRunner™ '297' | 10/07 | **5003** | 74.0 | 2.5 | 3.0 | . | 639 |
| Georgia-12Y | 10/24 | **4979** | 74.5 | 1.5 | 1.5 | . | 712 |
| Georgia-07W | 10/24 | **4961** | 75.0 | 3.5 | 1.0 | . | 687 |
| Georgia-16HO | 10/07 | **4961** | 76.0 | 2.0 | 2.0 | . | 733 |
| GA 152545 | 10/07 | **4828** | 75.5 | 3.0 | 2.5 | . | 747 |
| Georgia-13M | 10/24 | **4792** | 76.5 | 2.5 | 1.5 | . | 822 |
| Georgia-18RU | 10/24 | **4731** | 77.5 | 2.5 | 1.5 | . | 736 |
| ARS 13-1125 | 10/07 | **4707** | 76.0 | 2.0 | 1.5 | . | 630 |
| Georgia-06G | 10/07 | **4683** | 76.0 | 2.0 | 1.5 | . | 673 |
| Georgia Greener | 10/07 | **4646** | 74.5 | 3.5 | 2.0 | . | 725 |
| UF 15303 | 10/07 | **4640** | 74.0 | 3.0 | 1.5 | . | 762 |
| GA 142728 | 10/07 | **4628** | 78.0 | 1.5 | 1.5 | . | 771 |
| TifNV-High O/L | 10/07 | **4622** | 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 |
| **Virginia Types** | | | | | | | |
| ARS 13-3532 | 10/07 | **4979** | 68.0 | 3.5 | 2.5 | 33.5 | 589 |
| Bailey II | 09/24 | **4882** | 66.5 | 3.5 | 0.5 | 36.5 | 605 |
| Wynne | 09/24 | **4568** | 62.0 | 5.0 | 1.5 | 30.5 | 537 |
| Georgia-19HP | 10/07 | **4556** | 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 $P_2O_5$, 0 lb $K_2O$, 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.

| | May | June | July | Aug. | Sept. | Oct. |
|---|---|---|---|---|---|---|
| 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.

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

| Variety | Digging Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Runner Types** | | | | | | | |
| GA 163119 | 10/14 | **7919** | 78.5 | 1.5 | 0.5 | . | 670 |
| Georgia-12Y | 10/14 | **7883** | 76.0 | 2.0 | 0.5 | . | 744 |
| FloRun™ '331' | 10/05 | **7786** | 77.0 | 1.5 | 0.0 | . | 696 |
| Georgia-09B | 10/05 | **7659** | 77.5 | 2.0 | 0.0 | . | 741 |
| ARS 13-1125 | 10/05 | **7556** | 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 |
| **Virginia Types** | | | | | | | |
| Georgia-11J | 10/14 | **8010** | 76.5 | 1.5 | 0.5 | 60.0 | 459 |
| ARS 13-3532 | 10/05 | **7805** | 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 $P_2O_5$, 0 lb $K_2O$, 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 Date | Yield | TSMK | OK | DK | ELK | Seed |
|---|---|---|---|---|---|---|---|
| | | lb/A | % | % | % | % | no./lb |
| **Runner Types** | | | | | | | |
| Georgia-06G | 10/14 | **2753** | 65.5 | 8.0 | 1.5 | . | 870 |
| Georgia-16HO | 10/14 | **2626** | 66.0 | 9.5 | 1.0 | . | 939 |
| Georgia Greener | 10/14 | **2626** | 67.0 | 8.5 | 1.5 | . | 934 |
| FloRun™ '331' | 10/14 | **2577** | 63.0 | 11.0 | 1.0 | . | 1000 |
| ARS 13-1125 | 10/14 | **2565** | 64.5 | 8.0 | 2.5 | . | 853 |
| Georgia-12Y | 10/14 | **2505** | 58.0 | 13.5 | 1.0 | . | 1051 |
| GA 142728 | 10/14 | **2474** | 69.5 | 6.0 | 1.0 | . | 865 |
| GA 163120 | 10/14 | **2426** | 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 |
| **Virginia Types** | | | | | | | |
| Bailey | 10/14 | **2553** | 63.0 | 5.5 | 3.0 | 15.5 | 735 |
| ARS 13-3532 | 10/14 | **2432** | 60.0 | 9.0 | 2.0 | 8.0 | 776 |
| Georgia-19HP | 10/14 | **2202** | 65.0 | 6.5 | 1.5 | 13.0 | 805 |
| GA 142528 | 10/14 | **2130** | 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 $P_2O_5$, 0 lb $K_2O$, 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 | **1413** | 1094 | 1644 | 1023 | 1160 | **1274** |
| Americot | NG 3930 B3XF | 1183 | 879 | 1590 | . | . | . |
| Americot | NG 3994 B3XF | 1335 | 1016 | 1550 | . | . | . |
| Americot | NG 4936 B3XF | **1449** | **1231** | 1636 | 1073 | 1065 | **1296** |
| Americot | NG 5711 B3XF | **1420** | 1006 | 1619 | 1329 | 1144 | **1286** |
| Croplan | CP 3885 B2XF | . | . | 1731 | 1326 | 1271 | . |
| Croplan | CP 9178 B3XF | **1506** | 1170 | 1640 | . | . | . |
| Croplan | CP 9210 B3XF | **1475** | 1124 | 1704 | . | . | . |
| Croplan | CP 9608 B3XF | **1422** | **1269** | 1628 | 1295 | 1261 | **1380** |
| Croplan | CP 9830 B3XF | . | . | 1506 | 1349 | 1146 | . |
| Deltapine | 18R628NRB3XF | 1256 | 955 | 1531 | . | . | . |
| Deltapine | DP 1555 B2RF | . | . | 1788 | 1338 | 1304 | . |
| Deltapine | DP 1646 B2XF | **1471** | 1071 | 1735 | 1157 | 1237 | **1337** |
| Deltapine | DP 1725 B2XF | **1439** | **1190** | 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 | **1518** | **1227** | 1676 | . | . | . |
| Deltapine | DP 2055 B3XF | 1216 | 1124 | 1692 | 1341 | 1254 | **1329** |
| 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 | **1452** | **1209** | 1813 | . | . | . |
| Dyna-Gro | DG 3560 B2XF | **1449** | 1138 | 1629 | 1322 | 1357 | **1378** |
| Dyna-Gro | DG 3605 B2XF | . | . | 1726 | 1328 | 1105 | . |
| Dyna-Gro | DG 3615 B3XF | . | . | **1990** | **1769** | 1247 | . |
| Dyna-Gro | DG 3757 B2XF | . | . | 1649 | 1127 | **1388** | . |
| Dyna-Gro | DG 3799 B3XF | . | . | **1988** | **1588** | **1540** | . |
| Dyna-Gro | DGX 18503B B3XF | **1590** | **1329** | **1881** | . | . | . |
| Dyna-Gro | Halo 959 B3XF | **1557** | **1270** | 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 | **1197** | 1706 | 1376 | 1232 | **1371** |
| Phytogen | PHY 480 W3FE | 1365 | 1115 | 1642 | 1290 | 1219 | **1326** |
| Phytogen | PHY 500 W3FE[1] | 1383 | **1226** | 1706 | . | . | . |
| Phytogen | PHY 580 W3FE[1] | 1382 | **1221** | 1614 | . | . | . |
| Phytogen | PX3C06W3FE | 1249 | **1198** | 1579 | 1163 | 1216 | **1294** |
| Phytogen | PX3D32W3FE | 1353 | **1184** | 1609 | 1199 | 1286 | **1334** |
| Phytogen | PX3D43W3FE | 1335 | 1103 | 1638 | 1343 | 1217 | **1325** |
| Phytogen | PX5C05W3FE[1] | **1561** | 1175 | 1739 | . | . | . |
| Phytogen | PX5C45W3FE[1] | **1505** | **1180** | **1907** | . | . | . |
| Phytogen | PX5E28W3FE[1] | 1339 | 1152 | 1635 | . | . | . |
| Phytogen | PX5E34W3FE[1] | 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 | **1521** | 1175 | 1640 | 1192 | 1213 | **1347** |
| Stoneville | ST 4550GLTP | **1424** | 1101 | 1658 | 1291 | 1265 | **1340** |
| Stoneville | ST 5471GLTP | 1371 | 1156 | 1603 | 1292 | 1133 | **1308** |
| Stoneville | ST 5600B2XF | 1313 | 1001 | 1582 | 1321 | 1123 | 1253 |
| Stoneville | ST 5707B2XF | 1342 | 1014 | 1567 | 1343 | 1249 | **1297** |
| Stoneville | ST 5818GLT | **1559** | 1158 | 1571 | 1256 | 1253 | **1352** |
| Stoneville | ST 6182GLT | **1400** | **1210** | 1588 | 1342 | 1234 | **1348** |
| UGA | GA 2016006 | 1094 | 744 | 1287 | 1020 | 875 | 996 |
| UGA | GA 2016016 | 1123 | 903 | 1748 | 1138 | 877 | 1167 |
| UGA | GA 2016029 | **1405** | 949 | 1757 | 1220 | 1092 | **1271** |
| 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 | | Lint Yield | | 2019 Fiber Characteristics | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Brand Name | Variety | 2019 | 2-Yr Avg | Lint | Length | Uniformity | Strength | Micronaire | Yellowness |
| | | ---- lb/acre ---- | | % | inches | % | g/tex | units | grade |
| **Short and Mid-Season Environments** | | | | | | | | | |
| 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 | **1536** | 40.7 | 1.18 | 83.2 | 32.3 | 4.6 | 7.5 |
| Croplan | CP 9178 B3XF | 1740 | **1494** | 43.8 | 1.15 | 84.1 | 34.4 | 5.0 | 8.1 |
| Croplan | CP 9210 B3XF | **1804** | . | 43.8 | 1.16 | 83.9 | 32.1 | 5.1 | 7.9 |
| Croplan | CP 9608 B3XF | 1723 | **1506** | 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 | **1798** | **1546** | 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 | **1848** | . | 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 | **1806** | . | 41.5 | 1.19 | 84.4 | 32.2 | 4.3 | 7.4 |
| Dyna-Gro | DG 3560 B2XF | 1719 | **1491** | 43.8 | 1.24 | 85.2 | 36.1 | 5.0 | 7.8 |
| Dyna-Gro | DGX 18503B B3XF | **1928** | . | 42.6 | 1.17 | 83.2 | 33.1 | 4.6 | 8.1 |
| Dyna-Gro | Halo 959 B3XF | **1838** | . | 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 | **1462** | 41.9 | 1.16 | 84.4 | 31.9 | 4.5 | 8.0 |
| Phytogen | PHY 500 W3FE[1] | 1731 | **1521** | 42.9 | 1.13 | 82.9 | 33.9 | 4.4 | 7.8 |
| Phytogen | PHY 580 W3FE[1] | 1674 | **1525** | 43.2 | 1.12 | 83.6 | 32.0 | 4.8 | 7.9 |
| Phytogen | PX3C06W3FE | 1566 | **1474** | 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[1] | **1880** | . | 45.4 | 1.11 | 83.9 | 32.3 | 4.9 | 8.0 |
| Phytogen | PX5C45W3FE[1] | **1878** | . | 43.7 | 1.12 | 83.8 | 31.6 | 4.8 | 7.8 |
| Phytogen | PX5E28W3FE[1] | 1652 | . | 39.6 | 1.16 | 84.2 | 32.7 | 4.0 | 7.1 |
| Phytogen | PX5E34W3FE[1] | 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 | **1523** | 42.7 | 1.15 | 83.2 | 33.3 | 5.1 | 7.7 |
| Stoneville | ST 4550GLTP | 1715 | **1512** | 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 | **1465** | 40.2 | 1.16 | 83.0 | 32.1 | 4.5 | 6.9 |
| Stoneville | ST 6182GLT | 1681 | **1490** | 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 | Lint Yield 2-Yr Avg | 2019 Fiber Characteristics 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 |
| **Mid and Full-Season Environments** | | | | | | | | | |
| 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 | **2126** | **1786** | 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 | **2009** | . | 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[1] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[1] | . | . | . | . | . | . | . | . |
| 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[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[1] | . | . | . | . | . | . | . | . |
| 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 | | Lint Yield | | 2019 Fiber Characteristics | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Brand Name | Variety | 2019 | 2-Yr Avg | Lint | Length | Uniformity | Strength | Micronaire | Yellowness |
| | | ---- lb/acre ---- | | % | inches | % | g/tex | units | grade |
| **Short and Mid-Season Environments** | | | | | | | | | |
| 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 | **1133** | 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 | **1154** | **1155** | 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 | **1153** | . | 41.6 | 1.21 | 84.9 | 33.8 | 4.0 | 7.4 |
| Dyna-Gro | DG 3555 B3XF | **1186** | . | 42.9 | 1.17 | 84.6 | 32.8 | 4.4 | 7.7 |
| Dyna-Gro | DG 3560 B2XF | 1081 | **1153** | 44.8 | 1.20 | 84.7 | 36.0 | 5.2 | 8.3 |
| Dyna-Gro | DGX 18503B B3XF | **1274** | . | 44.2 | 1.13 | 82.1 | 31.5 | 4.7 | 8.1 |
| Dyna-Gro | Halo 959 B3XF | **1233** | . | 41.6 | 1.15 | 82.3 | 32.0 | 4.5 | 8.0 |
| Phytogen | PHY 340 W3FE | 1034 | **1140** | 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[1] | **1162** | **1169** | 44.8 | 1.14 | 83.2 | 34.7 | 4.4 | 7.7 |
| Phytogen | PHY 580 W3FE[1] | 1147 | **1209** | 46.2 | 1.10 | 83.1 | 31.5 | 4.5 | 7.8 |
| Phytogen | PX3C06W3FE | 1138 | **1190** | 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[1] | 1080 | . | 46.6 | 1.06 | 83.4 | 30.8 | 4.8 | 8.1 |
| Phytogen | PX5C45W3FE[1] | 1142 | . | 45.3 | 1.09 | 83.1 | 31.1 | 4.6 | 7.9 |
| Phytogen | PX5E28W3FE[1] | 1108 | . | 42.7 | 1.14 | 83.4 | 33.8 | 4.2 | 7.5 |
| Phytogen | PX5E34W3FE[1] | 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 | **1184** | 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 | **1142** | 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 | Lint Yield 2-Yr Avg | 2019 Fiber Characteristics 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 |
| **Mid and Full-Season Environments** | | | | | | | | | |
| Americot | NG 3729 B2XF | 1119 | **1126** | 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 | **1093** | 43.3 | 1.13 | 82.6 | 30.9 | 4.5 | 7.8 |
| Croplan | CP 3885 B2XF | 1181 | **1145** | 44.5 | 1.09 | 82.7 | 29.8 | 4.9 | 8.2 |
| Croplan | CP 9608 B3XF | 1155 | **1155** | 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 | **1245** | 45.9 | 1.12 | 82.6 | 31.7 | 4.8 | 7.8 |
| Deltapine | DP 1646 B2XF | 1167 | **1187** | 44.9 | 1.16 | 83.0 | 31.0 | 4.9 | 7.3 |
| Deltapine | DP 1835 B3XF | 1193 | **1143** | 44.8 | 1.11 | 82.6 | 30.6 | 4.9 | 7.8 |
| Deltapine | DP 1840 B3XF | 1163 | **1130** | 43.0 | 1.13 | 82.5 | 31.2 | 4.7 | 7.6 |
| Deltapine | DP 1851 B3XF | 1216 | **1185** | 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 | **1074** | 45.3 | 1.12 | 83.3 | 30.9 | 4.8 | 8.1 |
| Dyna-Gro | DG 3560 B2XF | 1245 | **1263** | 45.1 | 1.18 | 83.8 | 35.0 | 5.1 | 8.1 |
| Dyna-Gro | DG 3605 B2XF | 1064 | **1074** | 44.5 | 1.15 | 82.2 | 30.7 | 4.6 | 7.4 |
| Dyna-Gro | DG 3615 B3XF | 1194 | **1237** | 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 | **1432** | . | 44.4 | 1.15 | 82.6 | 32.3 | 4.6 | 7.7 |
| Phytogen | PHY 340 W3FE | 1102 | **1185** | 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 | **1152** | 43.6 | 1.10 | 83.3 | 31.8 | 4.6 | 8.1 |
| Phytogen | PHY 500 W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX3C06W3FE | 1155 | **1199** | 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 | PX5C05W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[1] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[1] | . | . | . | . | . | . | . | . |
| Stoneville | BX 2076GLTP | 1139 | **1203** | 44.3 | 1.13 | 82.8 | 32.5 | 5.1 | 7.6 |
| Stoneville | ST 4550GLTP | 1193 | **1195** | 44.9 | 1.12 | 83.3 | 32.1 | 4.8 | 8.1 |
| Stoneville | ST 5471GLTP | 1086 | **1131** | 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 | **1147** | 42.6 | 1.10 | 82.0 | 31.1 | 4.7 | 7.2 |
| Stoneville | ST 6182GLT | 1141 | **1137** | 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

| | Lint Yield | | | | | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Variety | Tifton | Midville | Plains | All-locations | Lint[1] | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | ----------lb/acre---------- | | | | % | inches | % | g/tex | units | grade |
| DGX 19051 B3XF | **1956** | **2676** | **1153** | **1928** | 46.3 | 1.17 | 82.8 | 32.1 | 4.4 | 7.5 |
| DGX 19010 B3XF | **1770** | 2348 | **1289** | **1802** | 45.8 | 1.23 | 82.2 | 30.9 | 4.3 | 6.7 |
| DGX 19735 GLTP | **1813** | 2079 | **1316** | 1736 | 44.2 | 1.16 | 83.0 | 30.3 | 4.5 | 7.5 |
| DGX 1901 GLTP | **1868** | 2017 | **1278** | 1721 | 44.8 | 1.15 | 83.4 | 30.6 | 4.7 | 7.4 |
| DGX 19731 GLTP | 1621 | 2225 | **1293** | 1713 | 42.4 | 1.19 | 83.0 | 31.7 | 4.6 | 7.2 |
| DGX 19008 B3XF | **1826** | 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 | **1298** | 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 | **1197** | 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 | **1150** | 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 Yield | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | ---- lb/acre ---- | | % | inches | % | g/tex | units | grade |
| **Mid-Season Environment** | | | | | | | | | |
| Dyna-Gro | DG 3615 B3XF | **2556** | 5627 | 45.4 | 1.15 | 84.1 | 31.7 | 5.0 | 8.5 |
| Deltapine | DP 2055 B3XF | **2550** | 5622 | 45.4 | 1.20 | 84.2 | 32.6 | 5.1 | 7.7 |
| Dyna-Gro | DG 3799 B3XF | **2459** | 5462 | 45.0 | 1.16 | 84.4 | 32.4 | 5.2 | 9.2 |
| Phytogen | PX5C45W3FE | **2371** | 5081 | 46.7 | 1.13 | 86.0 | 32.6 | 5.2 | 8.5 |
| Dyna-Gro | DG 3757 B2XF | **2353** | 5309 | 44.3 | 1.17 | 85.9 | 30.9 | 4.9 | 8.8 |
| Phytogen | PHY 580 W3FE | **2330** | 4944 | 47.1 | 1.13 | 84.9 | 32.5 | 5.1 | 8.0 |
| UGA | GA 2016016 | **2321** | 5225 | 44.4 | 1.18 | 84.5 | 32.8 | 5.4 | 7.7 |
| Croplan | CP 3885 B2XF | **2317** | 4991 | 46.4 | 1.15 | 85.8 | 31.1 | 5.3 | 8.8 |
| Stoneville | ST 6182GLT | **2306** | 4982 | 46.3 | 1.17 | 85.3 | 31.5 | 4.9 | 7.9 |
| Phytogen | PX5C05W3FE | **2300** | 4786 | 48.1 | 1.12 | 85.2 | 32.2 | 5.3 | 9.0 |
| Dyna-Gro | DGX 18503B B3XF | **2293** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Mid-Season Environment** | | | | | | | | | |
| Dyna-Gro | DG 3799 B3XF | **2531** | 5518 | 45.9 | 1.17 | 83.2 | 34.5 | 4.7 | 7.6 |
| Dyna-Gro | DG 3615 B3XF | **2518** | 5675 | 44.4 | 1.15 | 83.0 | 33.6 | 5.0 | 7.9 |
| Dyna-Gro | DG 3555 B3XF | **2372** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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 Yield | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Short-Season Environment** | | | | | | | | | |
| 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| 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% | | | | | | |
| **Full-Season Environment** | | | | | | | | | |
| Phytogen | PHY 400 W3FE | **1272** | 2904 | 43.8 | 1.17 | 84.1 | 34.9 | 4.8 | 7.9 |
| Stoneville | ST 6182GLT | **1237** | 2729 | 45.3 | 1.13 | 82.2 | 31.0 | 5.1 | 8.1 |
| Stoneville | ST 5600B2XF | **1233** | 2848 | 43.3 | 1.17 | 83.4 | 33.7 | 5.6 | 8.4 |
| Dyna-Gro | DG 3615 B3XF | **1227** | 2759 | 44.5 | 1.13 | 81.8 | 32.6 | 4.9 | 8.3 |
| Phytogen | PX3D32W3FE | **1217** | 2808 | 43.3 | 1.12 | 82.4 | 33.0 | 4.8 | 8.6 |
| Phytogen | PHY 480 W3FE | **1203** | 2904 | 41.4 | 1.17 | 84.5 | 32.5 | 4.7 | 8.2 |
| Phytogen | PX3D43W3FE | **1170** | 2686 | 43.5 | 1.07 | 82.6 | 32.7 | 5.0 | 8.8 |
| Dyna-Gro | DG 3799 B3XF | **1148** | 2662 | 43.1 | 1.17 | 82.5 | 32.9 | 4.9 | 7.9 |
| Croplan | CP 3885 B2XF | **1105** | 2571 | 43.0 | 1.12 | 83.8 | 30.5 | 4.9 | 8.2 |
| Dyna-Gro | DG 3560 B2XF | **1103** | 2535 | 43.5 | 1.21 | 85.3 | 36.2 | 5.1 | 8.0 |
| Deltapine | DP 2055 B3XF | **1102** | 2475 | 44.5 | 1.18 | 83.4 | 31.2 | 5.0 | 7.6 |
| Phytogen | PHY 350 W3FE | **1099** | 2632 | 41.8 | 1.14 | 84.3 | 33.4 | 5.0 | 8.0 |
| Dyna-Gro | DG 3605 B2XF | **1073** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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[4] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C05W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[4] | . | . | . | . | . | . | . | . |
| 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.

| | 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 Variety Performance, 2019, Irrigated

| Company or Brand Name | Variety | Lint Yield | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Short-Season Environment** | | | | | | | | | |
| 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Deltapine | DP 1823NR B2XF | 987 | 2542 | 38.8 | 1.14 | 83.0 | 31.8 | 4.7 | 7.9 |
| UGA | GA 2016016 | 975 | 2547 | 38.3 | 1.17 | 81.6 | 35.1 | 4.6 | 7.7 |
| Americot | AMX 1816 B3XF | 967 | 2941 | 32.9 | 1.15 | 82.1 | 31.6 | 4.1 | 7.7 |
| UGA | GA 2016060 | 925 | 2568 | 36.0 | 1.14 | 82.8 | 33.2 | 4.7 | 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% | | | | | | |
| **Full-Season Environment** | | | | | | | | | |
| Dyna-Gro | DG 3615 B3XF | **2310** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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[4] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C05W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[4] | . | . | . | . | . | . | . | . |
| 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Short-Season Environment** | | | | | | | | | |
| Phytogen | PX3D32W3FE | **1518** | 3354 | 45.2 | 1.17 | 84.1 | 33.1 | 4.8 | 8.2 |
| Dyna-Gro | DG 3555 B3XF | **1446** | 3135 | 46.1 | 1.21 | 85.2 | 32.7 | 4.3 | 7.6 |
| Americot | AMX 19A006 B3XF | **1432** | 3344 | 42.8 | 1.18 | 83.4 | 36.0 | 4.9 | 7.9 |
| Dyna-Gro | DG 3402 B3XF | **1411** | 3157 | 44.7 | 1.12 | 82.5 | 31.2 | 4.5 | 7.7 |
| Dyna-Gro | Halo 959 B3XF | **1402** | 3199 | 43.8 | 1.13 | 82.9 | 31.4 | 5.0 | 7.6 |
| Deltapine | DP 1725 B2XF | **1388** | 2931 | 47.4 | 1.11 | 82.5 | 29.9 | 4.7 | 7.6 |
| Phytogen | PX3C06W3FE | **1384** | 3057 | 45.3 | 1.10 | 81.7 | 29.3 | 5.1 | 6.9 |
| Dyna-Gro | DGX 18503B B3XF | **1376** | 2984 | 46.1 | 1.11 | 82.9 | 32.7 | 4.7 | 8.1 |
| Phytogen | PHY 500 W3FE | **1370** | 3020 | 45.4 | 1.11 | 83.0 | 34.4 | 4.4 | 7.6 |
| Stoneville | ST 4550GLTP | **1351** | 2846 | 47.5 | 1.10 | 82.6 | 30.6 | 5.0 | 8.5 |
| Americot | NG 3522 B2XF | **1348** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| 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% | | | | | | |
| **Full-Season Environment** | | | | | | | | | |
| Phytogen | PX3C06W3FE | **1330** | 2966 | 44.8 | 1.12 | 82.6 | 29.7 | 5.1 | 6.9 |
| Dyna-Gro | DG 3799 B3XF | **1322** | 2910 | 45.4 | 1.12 | 81.9 | 31.9 | 4.4 | 8.0 |
| Dyna-Gro | DG 3560 B2XF | **1261** | 2737 | 46.1 | 1.18 | 84.5 | 35.6 | 5.0 | 8.2 |
| Phytogen | PX3D32W3FE | **1227** | 2725 | 45.0 | 1.19 | 84.6 | 34.0 | 4.8 | 8.2 |
| Dyna-Gro | DG 3757 B2XF | **1193** | 2547 | 46.8 | 1.10 | 82.9 | 28.3 | 4.9 | 8.5 |
| Phytogen | PX3D43W3FE | **1187** | 2569 | 46.2 | 1.10 | 83.8 | 33.5 | 5.0 | 8.4 |
| Americot | NG 3729 B2XF | **1149** | 2730 | 42.1 | 1.12 | 82.0 | 30.7 | 5.1 | 7.4 |
| Stoneville | ST 5818GLT | **1148** | 2606 | 44.0 | 1.12 | 82.8 | 31.0 | 4.6 | 7.3 |
| Deltapine | DP 1646 B2XF | **1144** | 2458 | 46.5 | 1.16 | 83.1 | 30.5 | 4.9 | 7.1 |
| Stoneville | ST 4550GLTP | **1140** | 2410 | 47.3 | 1.11 | 83.6 | 32.0 | 4.8 | 8.2 |
| Croplan | CP 9608 B3XF | **1138** | 2401 | 47.4 | 1.10 | 81.6 | 29.3 | 4.5 | 8.2 |
| Stoneville | ST 5707B2XF | **1131** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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[4] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C05W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[4] | . | . | . | . | . | . | . | . |
| 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.

| | May | June | July | Aug. | Sept. |
|---|---|---|---|---|---|
| Rainfall (in): | 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[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Mid-Season Environment** | | | | | | | | | |
| Dyna-Gro | Halo 959 B3XF | **1123** | 2698 | 41.6 | 1.12 | 81.5 | 32.3 | 4.6 | 7.9 |
| Dyna-Gro | DG 3555 B3XF | **1117** | 2529 | 44.2 | 1.11 | 83.2 | 32.4 | 4.8 | 7.7 |
| Dyna-Gro | DG 3799 B3XF | **1110** | 2468 | 45.0 | 1.10 | 81.4 | 31.3 | 4.7 | 7.3 |
| Dyna-Gro | DGX 18503B B3XF | **1108** | 2475 | 44.8 | 1.09 | 82.2 | 29.5 | 4.8 | 8.0 |
| Deltapine | DP 1835 B3XF | **1071** | 2275 | 47.1 | 1.04 | 80.9 | 26.7 | 4.7 | 7.7 |
| Dyna-Gro | DG 3520 B3XF | **1070** | 2487 | 43.0 | 1.14 | 83.4 | 33.1 | 3.8 | 7.2 |
| Deltapine | DP 1555 B2RF | **1066** | 2291 | 46.5 | 1.04 | 81.5 | 30.9 | 4.8 | 8.2 |
| Dyna-Gro | DG 3615 B3XF | **1036** | 2299 | 45.1 | 1.07 | 82.2 | 31.0 | 4.8 | 8.0 |
| Americot | NG 3729 B2XF | **996** | 2408 | 41.4 | 1.11 | 82.7 | 30.3 | 4.7 | 7.8 |
| UGA | GA 2016029 | **994** | 2250 | 44.2 | 1.13 | 83.2 | 31.5 | 4.8 | 7.7 |
| Phytogen | PX5C45W3FE | **993** | 2090 | 47.5 | 1.01 | 81.2 | 29.4 | 4.5 | 8.0 |
| Dyna-Gro | DG 3402 B3XF | **986** | 2275 | 43.4 | 1.13 | 83.0 | 31.8 | 4.4 | 7.8 |
| Seed Source Genetics | SSG UA 222 | **984** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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.

| | May | June | July | Aug. | Sept. | Oct. |
|---|---|---|---|---|---|---|
| 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, Dryland

| Company or Brand Name | Variety | Lint Yield | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Short-Season Environment** | | | | | | | | | |
| Stoneville | ST 5471GLTP | **699** | 1779 | 39.3 | 1.15 | 82.2 | 31.3 | 4.2 | 7.9 |
| Deltapine | DP 1725 B2XF | **679** | 1603 | 42.4 | 1.17 | 82.0 | 30.8 | 4.5 | 8.0 |
| Americot | NG 4936 B3XF | **642** | 1712 | 37.5 | 1.21 | 84.3 | 31.3 | 4.5 | 7.2 |
| Phytogen | PX5E28W3FE | **632** | 1615 | 39.1 | 1.17 | 83.7 | 33.8 | 4.1 | 7.6 |
| Dyna-Gro | DG 3555 B3XF | **631** | 1627 | 38.8 | 1.21 | 84.8 | 33.9 | 4.1 | 7.7 |
| Croplan | CP 9210 B3XF | **606** | 1549 | 39.1 | 1.19 | 84.6 | 33.8 | 4.9 | 8.5 |
| Stoneville | BX 2076GLTP | **605** | 1513 | 40.0 | 1.15 | 83.2 | 33.2 | 5.0 | 8.4 |
| Phytogen | PX3D43W3FE | **595** | 1513 | 39.4 | 1.11 | 83.4 | 33.6 | 4.4 | 8.9 |
| Phytogen | PHY 340 W3FE | **583** | 1446 | 40.3 | 1.15 | 83.4 | 30.7 | 4.3 | 8.7 |
| Phytogen | PX5C05W3FE | **578** | 1355 | 42.6 | 1.14 | 83.8 | 32.9 | 4.6 | 8.2 |
| Stoneville | ST 6182GLT | **577** | 1289 | 44.8 | 1.11 | 84.2 | 29.4 | 4.7 | 8.8 |
| Deltapine | DP 1646 B2XF | **571** | 1404 | 40.7 | 1.25 | 84.0 | 32.2 | 4.4 | 7.5 |
| Dyna-Gro | DGX 18503B B3XF | **559** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| 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% | | | | | | |
| **Full-Season Environment** | | | | | | | | | |
| Deltapine | DP 1840 B3XF | **1212** | 2723 | 44.5 | 1.12 | 81.4 | 32.1 | 5.1 | 7.9 |
| Dyna-Gro | DG 3757 B2XF | **1194** | 2583 | 46.2 | 1.11 | 83.0 | 30.0 | 5.2 | 7.8 |
| UGA | GA 2016029 | **1177** | 2644 | 44.5 | 1.15 | 80.9 | 31.6 | 4.9 | 7.9 |
| Phytogen | PX3D32W3FE | **1119** | 2602 | 43.0 | 1.19 | 83.8 | 33.1 | 5.0 | 7.9 |
| Dyna-Gro | DG 3605 B2XF | **1074** | 2475 | 43.4 | 1.13 | 81.9 | 31.6 | 4.8 | 8.0 |
| Deltapine | DP 1555 B2RF | **1062** | 2414 | 44.0 | 1.16 | 82.4 | 31.2 | 4.9 | 7.8 |
| UGA | GA 2016058 | **1059** | 2468 | 42.9 | 1.14 | 82.6 | 31.7 | 5.1 | 7.7 |
| Deltapine | DP 2055 B3XF | **1059** | 2372 | 44.7 | 1.11 | 81.2 | 30.8 | 4.9 | 7.7 |
| Phytogen | PX3D43W3FE | **1055** | 2378 | 44.4 | 1.11 | 82.6 | 32.1 | 4.8 | 8.3 |
| Deltapine | DP 1851 B3XF | **1045** | 2287 | 45.7 | 1.08 | 82.4 | 30.8 | 5.2 | 8.0 |
| Stoneville | ST 5818GLT | **1039** | 2444 | 42.5 | 1.09 | 80.9 | 30.2 | 4.9 | 7.7 |
| Dyna-Gro | DG 3799 B3XF | **1031** | 2468 | 41.8 | 1.24 | 83.6 | 32.9 | 4.6 | 7.6 |
| UGA | GA 2016006 | **1006** | 2227 | 45.2 | 1.13 | 83.0 | 33.8 | 5.1 | 8.3 |
| UGA | GA 2016060 | **1005** | 2251 | 44.6 | 1.11 | 81.9 | 30.8 | 5.1 | 8.5 |
| Dyna-Gro | DG 3560 B2XF | **997** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Dyna-Gro | DG 3615 B3XF | 824 | 2166 | 38.1 | 1.21 | 84.9 | 36.6 | 4.7 | 8.4 |
| UGA | 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[4] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C05W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[4] | . | . | . | . | . | . | . | . |
| 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| **Short-Season Environment** | | | | | | | | | |
| Croplan | CP 9608 B3XF | **2338** | 4832 | 48.4 | 1.15 | 84.6 | 30.8 | 4.7 | 7.6 |
| Deltapine | DP 1916 B3XF | **2104** | 4485 | 46.9 | 1.16 | 85.0 | 33.7 | 5.1 | 7.9 |
| Dyna-Gro | DGX 18503B B3XF | **2053** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| 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% | | | | | | |
| **Full-Season Environment** | | | | | | | | | |
| Dyna-Gro | DG 3799 B3XF | **2267** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | 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[4] | . | . | . | . | . | . | . | . |
| Phytogen | PHY 580 W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C05W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5C45W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E28W3FE[4] | . | . | . | . | . | . | . | . |
| Phytogen | PX5E34W3FE[4] | . | . | . | . | . | . | . | . |
| 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.

| | May | June | July | Aug. | Sept. |
|---|---|---|---|---|---|
| Rainfall (in): | 1.3 | 6.6 | 4.2 | 6.5 | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Dyna-Gro | DGX 19051 B3XF | **2676** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Dyna-Gro | DGX 19735 GLTP | **1316** | 2983 | 44.1 | 1.15 | 83.6 | 31.9 | 4.7 | 8.0 |
| Dyna-Gro | DGX 19003 B3XF | **1298** | 2928 | 44.3 | 1.08 | 81.3 | 29.7 | 5.1 | 7.1 |
| Dyna-Gro | DGX 19731 GLTP | **1293** | 3079 | 42.0 | 1.15 | 82.4 | 30.2 | 4.9 | 8.1 |
| Dyna-Gro | DGX 19010 B3XF | **1289** | 2923 | 44.1 | 1.21 | 82.3 | 30.7 | 4.4 | 7.7 |
| Dyna-Gro | DGX 1901 GLTP | **1278** | 2850 | 44.9 | 1.14 | 82.8 | 31.9 | 5.1 | 8.1 |
| UGA | GA 2015046 | **1197** | 2977 | 40.2 | 1.17 | 83.6 | 33.3 | 4.6 | 7.7 |
| Dyna-Gro | DGX 19051 B3XF | **1153** | 2547 | 45.3 | 1.15 | 81.6 | 32.8 | 4.6 | 7.9 |
| Dyna-Gro | DGX 19004 B3XF | **1150** | 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 | Seed Cot. Yield | Lint[1] | Fiber Quality[2] | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | Uniformity | Strength | Micronaire | Yellowness[3] |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Dyna-Gro | DGX 19051 B3XF | **1956** | 4144 | 47.2 | 1.14 | 82.3 | 29.8 | 4.5 | 7.1 |
| Dyna-Gro | DGX 1901 GLTP | **1868** | 4199 | 44.5 | 1.14 | 84.2 | 29.5 | 4.9 | 7.0 |
| Dyna-Gro | DGX 19008 B3XF | **1826** | 3928 | 46.5 | 1.20 | 83.0 | 30.0 | 4.5 | 6.7 |
| Dyna-Gro | DGX 19735 GLTP | **1813** | 4096 | 44.3 | 1.15 | 82.8 | 29.6 | 4.5 | 7.0 |
| Dyna-Gro | DGX 19010 B3XF | **1770** | 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 | Value | Price Index[1] | Grade Index[2] | Leaves/ Plant | Plant Ht. | Days to Flower | Total Alkaloids | Reducing Sugars | Ratio RS/TA |
|---|---|---|---|---|---|---|---|---|---|---|
| | lb/A | $/A | $/CWT | | (number) | in | | % | % | |
| NC 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[1] | Grade Index[2] | Leaves/ Plant | Plant Ht. | Days to Flower | Total Alkaloids | Reducing Sugars | Ratio RS/TA |
|---|---|---|---|---|---|---|---|---|---|---|
| | lb/A | $/A | $/CWT | | (number) | in | | % | % | |
| 3 Year Average 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 | Value | Price Index[1] | Grade Index[2] | Leaves/ Plant | Plant Ht. | Days to Flower | Total Alkaloids | Reducing Sugars | Ratio RS/TA |
|---|---|---|---|---|---|---|---|---|---|---|
| | lb/A | $/A | $/CWT | | (number) | in | | % | % | |
| 2 Year Average 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

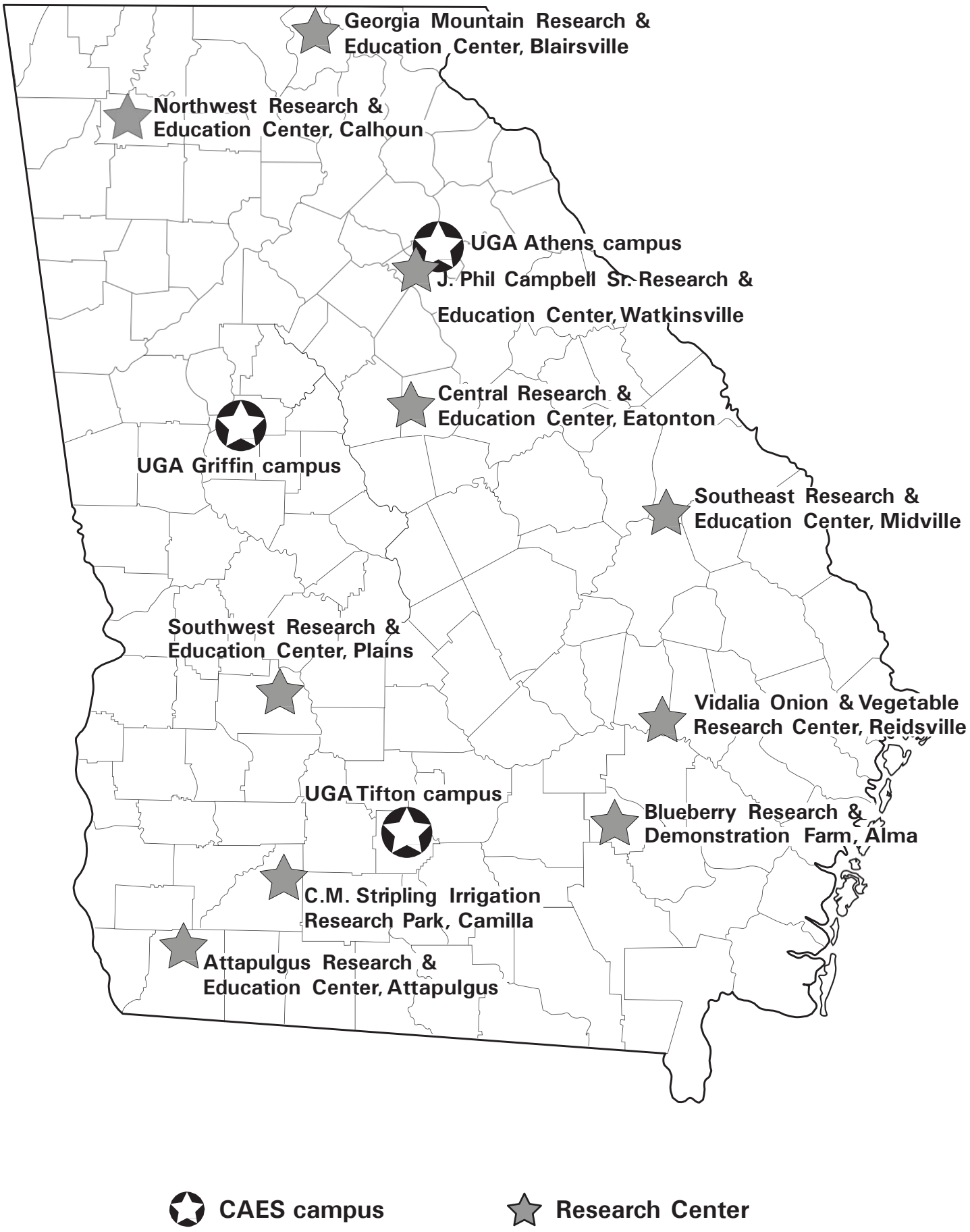
| Variety | Yield | Value | Price Index[1] | Grade Index[2] | Leaves/ Plant | Plant Ht. | Days to Flower | Total Alkaloids | Reducing Sugars | Ratio RS/TA |
|---|---|---|---|---|---|---|---|---|---|---|
| | lb/A | $/A | $/CWT | | (number) | in | | % | % | |
| NCEX 96 | 2864 | 3916 | 137 | 71 | 23 | 45.9 | 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.

[1] Price Index based on two-year average prices for U.S. government grades.

[2] Numerical values ranging from 1-99 for flue-cured tobacco based on equivalent government grades - higher the number, higher the grade.

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