

**The Georgia Agricultural Experiment Stations
Department of Crop and Soil Sciences**

College of Agricultural and Environmental Sciences
University of Georgia Griffin Campus

**Preliminary Findings
Updated April 6, 2023**

Georgia

2022 Peanut and Cotton Performance Tests

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Georgia 2022 Peanut and Cotton Performance Tests

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Multi-Location Summary of Peanut Yields, 2022

| Variety | Maturity | Irrigated | | | | Dryland | | | | Statewide Average |
|-----------------------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------|
| | | Tifton | Midville | Plains | Average | Tifton | Midville | Plains | Average | |
| -----lb/acre----- | | | | | | | | | | |
| Runner Types | | | | | | | | | | |
| Georgia-12Y | ML | 5,775 | 7,502 | 3,465 | 5,581 | 6,053 | 6,830 | 3,501 | 5,461 | 5,521 |
| CB 7 | M | 5,469 | 6,758 | 3,292 | 5,173 | 6,477 | 7,161 | 3,530 | 5,722 | 5,448 |
| Georgia-21GR | M+ | 5,064 | 7,418 | 3,477 | 5,320 | 6,223 | 6,598 | 3,533 | 5,451 | 5,385 |
| Georgia-18RU | M+ | 5,953 | 7,239 | 3,171 | 5,454 | 5,831 | 6,604 | 3,324 | 5,253 | 5,354 |
| Georgia-22MPR | ML | 5,990 | 7,298 | 3,336 | 5,541 | 5,890 | 6,033 | 3,338 | 5,087 | 5,314 |
| Georgia-06G | M | 6,343 | 7,173 | 3,236 | 5,584 | 5,601 | 6,144 | 2,990 | 4,912 | 5,248 |
| TifNV-HG | M | 5,679 | 7,210 | 3,027 | 5,306 | 5,638 | 6,561 | 3,055 | 5,084 | 5,195 |
| AU-NPL 17 | M | 5,381 | 6,656 | 3,197 | 5,078 | 5,865 | 7,100 | 2,860 | 5,275 | 5,177 |
| Georgia-16HO | M | 6,022 | 6,855 | 2,892 | 5,256 | 5,717 | 6,168 | 2,975 | 4,954 | 5,105 |
| GA 192517 | M+ | 5,300 | 6,795 | 3,007 | 5,034 | 5,561 | 6,634 | 3,256 | 5,150 | 5,092 |
| CB 1 | M | 5,459 | 6,624 | 3,295 | 5,126 | 5,878 | 6,132 | 3,113 | 5,041 | 5,083 |
| TUFRunner™ '297' | M | 5,576 | 6,365 | 3,092 | 5,011 | 5,674 | 6,377 | 2,938 | 4,996 | 5,004 |
| Georgia-20VHO | M | 5,848 | 5,775 | 2,802 | 4,870 | 6,227 | 5,996 | 2,916 | 5,047 | 4,928 |
| FloRun™ 'T61' | M | 5,386 | 6,031 | 2,938 | 4,785 | 5,907 | 6,106 | 3,144 | 5,052 | 4,919 |
| GA 182521 | ML | 5,104 | 6,832 | 2,983 | 4,975 | 5,639 | 5,542 | 3,178 | 4,787 | 4,881 |
| GA 162725 | M | 5,355 | 6,242 | 2,493 | 4,697 | 5,946 | 6,045 | 2,916 | 4,969 | 4,833 |
| FloRun™ '331' | M | 5,034 | 6,754 | 2,852 | 4,880 | 5,777 | 5,592 | 2,928 | 4,766 | 4,823 |
| GA 162722 | M | 4,972 | 6,797 | 2,876 | 4,881 | 5,459 | 6,034 | 2,799 | 4,764 | 4,823 |
| Georgia Greener | M | 5,714 | 6,352 | 2,726 | 4,930 | 5,661 | 5,567 | 2,571 | 4,600 | 4,765 |
| Tifguard | M | 5,702 | 6,063 | 2,682 | 4,816 | 5,444 | 5,506 | 2,753 | 4,567 | 4,691 |
| GA 163103 | M | 5,521 | 6,095 | 2,580 | 4,732 | 5,381 | 5,567 | 2,652 | 4,533 | 4,632 |
| TifNV-High O/L | M | 5,016 | 5,813 | 2,455 | 4,428 | 5,809 | 5,666 | 2,799 | 4,758 | 4,593 |
| Georgia-07W | M+ | 4,802 | 6,532 | 2,309 | 4,548 | 5,263 | 5,653 | 2,948 | 4,621 | 4,584 |
| Georgia-09B | M | 5,138 | 6,513 | 2,572 | 4,741 | 5,123 | 5,297 | 2,284 | 4,235 | 4,488 |
| Georgia-14N | M+ | 4,500 | 6,389 | 2,593 | 4,494 | 5,182 | 5,004 | 2,911 | 4,366 | 4,430 |
| CB 2 | M | 4,576 | 5,910 | 2,336 | 4,274 | 4,885 | 4,882 | 2,473 | 4,080 | 4,177 |
| Virginia Types | | | | | | | | | | |
| TifJumbo | M | 5,924 | 6,742 | 2,547 | 5,071 | 5,819 | 6,523 | 3,040 | 5,127 | 5,099 |
| Georgia-19HP | M | 5,279 | 6,546 | 2,787 | 4,809 | 5,429 | 5,542 | 2,913 | 4,628 | 4,749 |
| Average | | 5,424 | 6,617 | 2,893 | 4,978 | 5,691 | 6,031 | 2,987 | 4,903 | 4,941 |
| LSD at 10% Level | | 477 | 356 | 298 | 221 | 329 | 497 | 262 | 216 | 176 |
| Model R-square | | 0.44 | 0.58 | 0.48 | 0.92 | 0.52 | 0.50 | 0.49 | 0.91 | 0.88 |
| C.V. | | 11.83 | 7.23 | 13.84 | 10.36 | 7.78 | 11.08 | 11.81 | 10.31 | 11.79 |

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

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

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

Maturities are earliest (M) to latest (ML). All varieties of a given maturity in a test are harvested on the same day.

(Continued on next page)

Multi-Location Summary of Peanut Yields, 2022 (Continued)

| Variety | Maturity | Irrigated | |
|------------------------------|----------|--------------|---------|
| | | Tifton | lb/acre |
| <u>Spanish Types</u> | | | |
| GA-17SP-RKNS-52S | M+ | 5,313 | |
| Georgia-17SP | M+ | 5,087 | |
| Georgia-SP/RKN | M+ | 4,769 | |
| Georgia-04S | M | 3,931 | |
| Georgia Browne | M | 3,347 | |
| Tamnut OL06 | E+ | 2,700 | |
| Schubert | E+ | 2,592 | |
| OLin | E+ | 2,053 | |
| OLe` | E | 1,950 | |
| Average | | 3,527 | |
| LSD at 10% Level | | 239 | |
| Model R-square | | 0.95 | |
| <u>Valencia Types</u> | | | |
| Georgia-Val/HO | E+ | 2,628 | |
| Georgia Red | E+ | 2,098 | |
| N. M. Val. A | E | 1,610 | |
| Georgia Valencia | E+ | 1,549 | |
| H & W Val. 136 | E | 1,528 | |
| TAM Val. OL14 | E | 1,494 | |
| NuMex-01 | E | 1,407 | |
| N. M. Val. C | E | 1,332 | |
| H & W Val. 118 | E | 1,217 | |
| Average | | 1,652 | |
| LSD at 10% Level | | 226 | |
| Model R-square | | 0.74 | |

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

Variety names preceded by "GA" or "CB" 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 at Tifton under irrigated conditions.

Maturities are earliest (E) to latest (M+). All varieties of a given maturity in a test are harvested on the same day.

Tifton, Georgia:
Peanut Yield and Grade Performance, 2022, Irrigated

| Variety | Digging | Yield | TSMK | OK | DK | ELK | Seed |
|------------------------------|---------|--------------|------|------|------|------|------|
| | Date | | | | | | |
| <u>Runner Types</u> | | | | | | | |
| Georgia-06G | 09/23 | 6,343 | 73.0 | 3.5 | 1.0 | . | 602 |
| Georgia-16HO | 09/23 | 6,022 | 72.5 | 4.0 | 1.0 | . | 614 |
| Georgia-22MPR | 10/07 | 5,990 | 71.0 | 4.0 | 1.5 | . | 704 |
| Georgia-18RU | 09/30 | 5,953 | 71.5 | 4.5 | 2.0 | . | 656 |
| Georgia-20VHO | 09/23 | 5,848 | 71.0 | 4.5 | 1.5 | . | 662 |
| Georgia-12Y | 10/07 | 5,775 | 68.5 | 5.0 | 1.0 | . | 693 |
| Georgia Greener | 09/23 | 5,714 | 71.5 | 4.5 | 1.0 | . | 709 |
| Tifguard | 09/23 | 5,702 | 70.5 | 4.0 | 2.0 | . | 654 |
| TifNV-HG | 09/23 | 5,679 | 69.5 | 3.5 | 1.5 | . | 510 |
| TUFRunnerTM '297' | 09/23 | 5,576 | 72.0 | 3.5 | 2.0 | . | 610 |
| GA 163103 | 09/23 | 5,521 | 72.0 | 4.0 | 1.0 | . | 672 |
| CB 7 | 09/23 | 5,469 | 72.0 | 4.5 | 1.0 | . | 574 |
| CB 1 | 09/23 | 5,459 | 72.0 | 6.0 | 0.5 | . | 831 |
| FloRunTM 'T61' | 09/23 | 5,386 | 69.5 | 5.0 | 1.5 | . | 665 |
| AU-NPL 17 | 09/23 | 5,381 | 68.0 | 4.5 | 2.0 | . | 585 |
| GA 162725 | 09/23 | 5,355 | 69.0 | 4.5 | 1.5 | . | 684 |
| GA 192517 | 09/30 | 5,300 | 70.5 | 4.5 | 1.0 | . | 701 |
| Georgia-09B | 09/23 | 5,138 | 71.0 | 4.0 | 1.5 | . | 659 |
| GA 182521 | 10/07 | 5,104 | 68.0 | 4.5 | 2.0 | . | 559 |
| Georgia-21GR | 09/30 | 5,064 | 71.0 | 5.0 | 1.5 | . | 725 |
| FloRunTM '331' | 09/23 | 5,034 | 68.0 | 5.5 | 1.0 | . | 663 |
| TifNV-High O/L | 09/23 | 5,016 | 70.0 | 4.0 | 0.5 | . | 628 |
| GA 162722 | 09/23 | 4,972 | 72.0 | 4.5 | 0.5 | . | 744 |
| Georgia-07W | 09/30 | 4,802 | 70.0 | 4.5 | 2.0 | . | 651 |
| CB 2 | 09/23 | 4,576 | 71.0 | 5.0 | 1.5 | . | 774 |
| Georgia-14N | 09/30 | 4,500 | 71.5 | 5.0 | 1.0 | . | 722 |
| <u>Virginia Types</u> | | | | | | | |
| TifJumbo | 09/23 | 5,924 | 64.0 | 4.5 | 2.5 | 30.5 | 677 |
| Georgia-19HP | 09/23 | 5,279 | 70.5 | 2.5 | 2.5 | 49.5 | 506 |
| Average | | 5,424 | 70.4 | 4.4 | 1.4 | 2.9 | 658 |
| LSD at 10% Level | | 477 | 2.7 | NS | NS | 0.6 | 91 |
| Model R-square | | 0.44 | 0.64 | 0.50 | 0.48 | 1.00 | 0.70 |
| C.V. | | 11.8 | 2.9 | 22.9 | 58.4 | 14.6 | 10.5 |

Tifton, Georgia:
Peanut Yield and Grade Performance, 2022, Irrigated (Continued)

| Variety | Digging | Yield lb/A | TSMK % | OK % | DK % | ELK % | Seed no./lb |
|-----------------------|---------|---------------|-----------|---------|---------|----------|----------------|
| | Date | | | | | | |
| Spanish Types | | | | | | | |
| GA-17SP-RKNS-52S | 09/30 | 5,313 | 72.5 | 5.0 | 0.5 | . | 1,067 |
| Georgia-17SP | 09/30 | 5,087 | 73.0 | 4.5 | 1.0 | . | 685 |
| Georgia-SP/RKN | 09/30 | 4,769 | 73.0 | 4.0 | 1.0 | . | 890 |
| Georgia-04S | 09/23 | 3,931 | 70.5 | 5.0 | 0.0 | . | 1,023 |
| Georgia Browne | 09/23 | 3,347 | 69.0 | 5.0 | 0.5 | . | 1,093 |
| Tamnut OL06 | 08/30 | 2,700 | 59.5 | 6.5 | 1.0 | . | 1,002 |
| Schubert | 08/30 | 2,592 | 57.0 | 9.0 | 1.0 | . | 1,142 |
| OLin | 08/30 | 2,053 | 60.5 | 8.0 | 0.0 | . | 1,137 |
| OLe` | 08/15 | 1,950 | 52.0 | 11.5 | 1.0 | . | 1,202 |
| Valencia Types | | | | | | | |
| Georgia-Val/HO | 08/30 | 2,628 | 66.0 | 5.5 | 1.5 | . | 775 |
| Georgia Red | 08/30 | 2,098 | 65.0 | 6.5 | 1.0 | . | 1,044 |
| N. M. Val. A | 08/15 | 1,610 | 53.5 | 11.5 | 1.0 | . | 1,143 |
| Georgia Valencia | 08/30 | 1,549 | 57.5 | 6.5 | 1.5 | . | 1,060 |
| H & W Val. 136 | 08/15 | 1,528 | 49.5 | 12.0 | 0.5 | . | 1,148 |
| TAM Val. OL14 | 08/15 | 1,494 | 49.0 | 15.5 | 1.0 | . | 1,260 |
| NuMex-01 | 08/15 | 1,407 | 48.5 | 15.5 | 1.0 | . | 1,108 |
| N. M. Val. C | 08/15 | 1,332 | 49.5 | 14.5 | 1.5 | . | 1,102 |
| H & W Val. 118 | 08/15 | 1,217 | 51.5 | 13.0 | 0.5 | . | 1,251 |
| Average | 08/25 | 2,589 | 59.8 | 8.8 | 0.9 | - | 1,063 |
| LSD at 10% Level | | 238 | 2.8 | 2.3 | NS | - | 148 |
| Model R-square | | 0.96 | 0.97 | 0.92 | 0.49 | - | 0.79 |
| C.V. | | 12.3 | 3.6 | 19.7 | 75.8 | - | 10.5 |

"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 12, 2022.

Soil Type: Tifton loamy sand.

Previous Crop: Cotton.

Soil Test (lbs/ac): Runner + Virginia P₂O₅ = 54.4, K₂O = 144, and pH = 6.6.

Spanish + Valencia P₂O₅ = 59.6, K₂O = 129, and pH = 6.4.

Fertilization: None.

Tillage: Conventional tillage.

Herbicide: Sonalan, Dual Magnum, Basagran and Select.

Fungicide: Tebuconazole, chlorothalonil and Fontelis.

Irrigation: 6.5 inches.

Test conducted by K. Cawley, M. Cofield, D. Dunn, and W. Mosteller.

Tifton, Georgia:
Peanut Yield and Grade Performance, 2022, Dryland

| Variety | Digging | Yield lb/A | TSMK % | OK % | DK % | ELK % | Seed no./lb |
|-----------------------|---------|---------------|-----------|---------|---------|----------|----------------|
| | Date | | | | | | |
| Runner Types | | | | | | | |
| CB 7 | 10/04 | 6,477 | 76.0 | 3.0 | 1.5 | . | 778 |
| Georgia-20VHO | 10/04 | 6,227 | 75.5 | 3.5 | 1.0 | . | 667 |
| Georgia-21GR | 10/04 | 6,223 | 76.5 | 2.5 | 0.5 | . | 653 |
| Georgia-12Y | 10/14 | 6,053 | 71.5 | 3.5 | 1.5 | . | 675 |
| GA 162725 | 10/04 | 5,946 | 73.5 | 3.5 | 1.0 | . | 671 |
| FloRunTM 'T61' | 10/04 | 5,907 | 72.0 | 4.5 | 0.5 | . | 677 |
| Georgia-22MPR | 10/14 | 5,890 | 72.5 | 3.0 | 2.0 | . | 668 |
| CB 1 | 10/04 | 5,878 | 76.0 | 3.5 | 0.0 | . | 951 |
| AU-NPL 17 | 10/04 | 5,865 | 70.5 | 4.0 | 0.5 | . | 604 |
| Georgia-18RU | 10/04 | 5,831 | 76.0 | 3.5 | 0.5 | . | 659 |
| TifNV-High O/L | 10/04 | 5,809 | 72.0 | 4.0 | 1.0 | . | 607 |
| FloRunTM '331' | 10/04 | 5,777 | 74.0 | 3.5 | 0.5 | . | 715 |
| Georgia-16HO | 10/04 | 5,717 | 74.5 | 3.0 | 1.0 | . | 623 |
| TUFRunnerTM '297' | 10/04 | 5,674 | 73.0 | 3.5 | 1.0 | . | 581 |
| Georgia Greener | 10/04 | 5,661 | 75.5 | 3.0 | 1.0 | . | 691 |
| GA 182521 | 10/14 | 5,639 | 74.0 | 3.0 | 2.0 | . | 611 |
| TifNV-HG | 10/04 | 5,638 | 71.5 | 3.0 | 1.0 | . | 568 |
| Georgia-06G | 10/04 | 5,601 | 73.0 | 3.5 | 1.0 | . | 548 |
| GA 192517 | 10/04 | 5,561 | 73.5 | 4.5 | 0.5 | . | 707 |
| GA 162722 | 10/04 | 5,459 | 74.5 | 4.5 | 1.0 | . | 738 |
| Tifguard | 10/04 | 5,444 | 71.0 | 3.0 | 1.0 | . | 642 |
| GA 163103 | 10/04 | 5,381 | 75.5 | 2.5 | 1.5 | . | 609 |
| Georgia-07W | 10/04 | 5,263 | 71.0 | 4.0 | 1.5 | . | 598 |
| Georgia-14N | 10/04 | 5,182 | 71.5 | 5.5 | 1.5 | . | 785 |
| Georgia-09B | 10/04 | 5,123 | 76.0 | 3.0 | 0.5 | . | 721 |
| CB 2 | 10/04 | 4,885 | 74.5 | 3.5 | 1.0 | . | 668 |
| Virginia Types | | | | | | | |
| TifJumbo | 10/04 | 5,819 | 71.0 | 2.0 | 1.5 | 43.0 | 480 |
| Georgia-19HP | 10/04 | 5,429 | 73.5 | 2.0 | 1.5 | 55.5 | 505 |
| Average | | 5,691 | 73.6 | 3.4 | 1.0 | 3.5 | 657 |
| LSD at 10% Level | | 329 | 1.8 | 0.9 | NS | 0.4 | 49 |
| Model R-square | | 0.52 | 0.80 | 0.71 | 0.61 | 1.00 | 0.93 |
| C.V. | | 7.8 | 1.8 | 20.4 | 56.4 | 8.4 | 5.6 |

"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 12, 2022.
 Soil Type: Tifton loamy sand.
 Previous Crop: Grain sorghum.
 Soil Test (lbs/ac): P₂O₅ = 28.1, K₂O = 87.3, and pH = 6.0.
 Fertilization: None.
 Tillage: Conventional tillage.
 Herbicide: Sonalan, Dual Magnum, Basagran and Select.
 Fungicide: Tebuconazole, chlorothalonil and Fontelis.

Test conducted by K. Cawley, M. Cofield, D. Dunn, and W. Mosteller.

Midville, Georgia: Peanut Yield and Grade Performance, 2022, Irrigated

| Variety | Digging | Yield lb/A | TSMK % | OK % | DK % | ELK % | Seed no./lb |
|-----------------------|---------|---------------|-----------|---------|---------|----------|----------------|
| | Date | | | | | | |
| Runner Types | | | | | | | |
| Georgia-12Y | 10/23 | 7,502 | 74.0 | 2.0 | 0.5 | . | 721 |
| Georgia-21GR | 10/23 | 7,418 | 78.0 | 1.5 | 0.5 | . | 693 |
| Georgia-22MPR | 10/23 | 7,298 | 75.5 | 2.5 | 0.5 | . | 635 |
| Georgia-18RU | 10/23 | 7,239 | 79.0 | 2.0 | 0.5 | . | 644 |
| TifNV-HG | 10/15 | 7,210 | 74.0 | 2.5 | 0.5 | . | 610 |
| Georgia-06G | 10/15 | 7,173 | 77.5 | 1.5 | 0.0 | . | 632 |
| Georgia-16HO | 10/15 | 6,855 | 73.0 | 4.0 | 0.5 | . | 671 |
| GA 182521 | 10/23 | 6,832 | 75.0 | 2.0 | 1.0 | . | 629 |
| GA 162722 | 10/15 | 6,797 | 77.0 | 2.5 | 0.5 | . | 676 |
| GA 192517 | 10/23 | 6,795 | 76.5 | 2.0 | 0.5 | . | 673 |
| CB 7 | 10/15 | 6,758 | 76.5 | 2.5 | 0.5 | . | 749 |
| FloRunTM '331' | 10/15 | 6,754 | 74.5 | 2.5 | 0.5 | . | 736 |
| AU-NPL 17 | 10/15 | 6,656 | 72.5 | 2.5 | 0.5 | . | 617 |
| CB 1 | 10/15 | 6,624 | 75.0 | 4.0 | 0.0 | . | 792 |
| Georgia-07W | 10/23 | 6,532 | 75.0 | 2.0 | 1.0 | . | 646 |
| Georgia-09B | 10/15 | 6,513 | 75.5 | 3.0 | 0.0 | . | 665 |
| Georgia-14N | 10/23 | 6,389 | 75.0 | 3.0 | 1.0 | . | 701 |
| TUFRunnerTM '297' | 10/15 | 6,365 | 74.5 | 2.0 | 1.0 | . | 586 |
| Georgia Greener | 10/15 | 6,352 | 74.5 | 2.0 | 1.0 | . | 701 |
| GA 162725 | 10/15 | 6,242 | 75.0 | 2.0 | 1.0 | . | 868 |
| GA 163103 | 10/15 | 6,095 | 74.0 | 3.0 | 1.5 | . | 667 |
| Tifguard | 10/15 | 6,063 | 75.5 | 2.5 | 1.0 | . | 673 |
| FloRunTM 'T61' | 10/15 | 6,031 | 73.0 | 3.0 | 0.5 | . | 688 |
| CB 2 | 10/15 | 5,910 | 75.0 | 3.5 | 1.5 | . | 706 |
| TifNV-High O/L | 10/15 | 5,813 | 74.5 | 2.0 | 0.0 | . | 629 |
| Georgia-20VHO | 10/15 | 5,775 | 77.0 | 3.5 | 0.5 | . | 650 |
| Virginia Types | | | | | | | |
| TifJumbo | 10/15 | 6,742 | 73.0 | 2.0 | 0.0 | 38.5 | 524 |
| Georgia-19HP | 10/15 | 6,546 | 75.0 | 1.5 | 1.5 | 49.0 | 480 |
| Average | | 6,617 | 75.2 | 2.5 | 0.6 | 3.1 | 666 |
| LSD at 10% Level | | 356 | 1.6 | 0.9 | NS | 0.2 | 85 |
| Model R-square | | 0.58 | 0.78 | 0.66 | 0.61 | 1.00 | 0.72 |
| C.V. | | 7.2 | 1.6 | 28.9 | 81.2 | 4.3 | 9.8 |

"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 19, 2022.

Soil Type: Dothan sandy loam.

Previous Crop: Cotton.

Soil Test (lbs/ac): $P_2O_5 = 62.7$, $K_2O = 136$, and $pH = 6.1$.

Fertilization: None.

Tillage: Conventional tillage.

Herbicide: Valor, Strongarm, Storm, Dual and 2-4 DB

Fungicide: Convoy, chlorothalonil, tebuconazole, Topsin and Acropolis.

Irrigation: 5.8 inches.

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

Midville, Georgia: Peanut Yield and Grade Performance, 2022, Dryland

| Variety | Digging | Yield lb/A | TSMK % | OK % | DK % | ELK % | Seed no./lb |
|-----------------------|---------|---------------|-----------|---------|---------|----------|----------------|
| | Date | | | | | | |
| Runner Types | | | | | | | |
| CB 7 | 10/15 | 7,161 | 75.0 | 2.5 | 0.5 | 0.0 | 763 |
| AU-NPL 17 | 10/15 | 7,100 | 72.0 | 2.5 | 1.5 | 0.0 | 636 |
| Georgia-12Y | 10/15 | 6,830 | 69.5 | 3.5 | 1.5 | 0.0 | 678 |
| GA 192517 | 10/15 | 6,634 | 74.5 | 3.0 | 0.5 | 0.0 | 670 |
| Georgia-18RU | 10/15 | 6,604 | 72.8 | 3.2 | 1.3 | 1.4 | 682 |
| Georgia-21GR | 10/15 | 6,598 | 78.0 | 1.5 | 0.0 | 0.0 | 622 |
| TifNV-HG | 10/15 | 6,561 | 72.0 | 2.5 | 1.5 | 0.0 | 573 |
| TUFRunnerTM '297' | 10/15 | 6,377 | 71.0 | 3.0 | 2.0 | 0.0 | 604 |
| Georgia-16HO | 10/15 | 6,168 | 71.0 | 4.0 | 2.0 | 0.0 | 649 |
| Georgia-06G | 10/15 | 6,144 | 72.0 | 3.0 | 2.0 | 0.0 | 597 |
| CB 1 | 10/15 | 6,132 | 72.5 | 4.5 | 1.0 | 0.0 | 810 |
| FloRunTM 'T61' | 10/15 | 6,106 | 72.5 | 3.0 | 1.0 | 0.0 | 686 |
| GA 162725 | 10/15 | 6,045 | 73.0 | 2.0 | 1.5 | 0.0 | 697 |
| GA 162722 | 10/15 | 6,034 | 73.5 | 2.5 | 2.0 | 0.0 | 745 |
| Georgia-22MPR | 10/15 | 6,033 | 72.0 | 3.0 | 1.5 | 0.0 | 668 |
| Georgia-20VHO | 10/15 | 5,996 | 73.5 | 2.5 | 2.0 | 0.0 | 666 |
| TifNV-High O/L | 10/15 | 5,666 | 71.5 | 2.5 | 1.5 | 0.0 | 595 |
| Georgia-07W | 10/15 | 5,653 | 72.8 | 2.6 | 1.9 | 1.4 | 623 |
| FloRunTM '331' | 10/15 | 5,592 | 70.5 | 3.5 | 1.5 | 0.0 | 669 |
| GA 163103 | 10/15 | 5,567 | 75.0 | 2.0 | 1.5 | 0.0 | 660 |
| Georgia Greener | 10/15 | 5,567 | 70.0 | 4.5 | 3.0 | 0.0 | 675 |
| GA 182521 | 10/15 | 5,542 | 74.0 | 2.0 | 1.5 | 0.0 | 579 |
| Tifguard | 10/15 | 5,506 | 69.0 | 3.5 | 2.5 | 0.0 | 611 |
| Georgia-09B | 10/15 | 5,297 | 70.0 | 4.5 | 2.0 | 0.0 | 703 |
| Georgia-14N | 10/15 | 5,004 | 74.0 | 2.5 | 2.0 | 0.0 | 702 |
| CB 2 | 10/15 | 4,882 | 73.5 | 3.0 | 1.5 | 0.0 | 650 |
| Virginia Types | | | | | | | |
| TifJumbo | 10/15 | 6,523 | 69.5 | 1.5 | 3.0 | 35.5 | 511 |
| Georgia-19HP | 10/15 | 5,542 | 71.0 | 2.0 | 2.5 | 36.0 | 535 |
| Average | | 6,031 | 72.1 | 2.9 | 1.6 | 3.7 | 650 |
| LSD at 10% Level | | 497 | 1.8 | 1.3 | NS | 1.9 | 43 |
| Model R-square | | 0.50 | 0.87 | 0.68 | 0.61 | 0.99 | 0.90 |
| C.V. | | 11.1 | 1.9 | 33.2 | 51.3 | 38.5 | 5.1 |

"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 19, 2022.

Soil Type: Dothan sandy loam.

Previous Crop: Cotton.

Soil Test (lbs/ac): $P_2O_5 = 53.8$, $K_2O = 239$, and $pH = 6.1$.

Fertilization: None.

Tillage: Conventional tillage.

Herbicide: Valor, Strongarm, Storm, Dual and 2-4 DB

Fungicide: Convoy, chlorothalonil, tebuconazole, Topsin and Acropolis.

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

Plains, Georgia: Peanut Yield and Grade Performance, 2022, Irrigated

| Variety | Digging | Yield lb/A | TSMK % | OK % | DK % | ELK % | Seed no./lb |
|-----------------------|---------|---------------|-----------|---------|---------|----------|----------------|
| | Date | | | | | | |
| Runner Types | | | | | | | |
| Georgia-21GR | 11/07 | 3,477 | 69.0 | 3.5 | 4.0 | . | 725 |
| Georgia-12Y | 11/07 | 3,465 | 67.0 | 4.5 | 2.5 | . | 759 |
| Georgia-22MPR | 11/07 | 3,336 | 70.5 | 3.0 | 3.0 | . | 764 |
| CB 1 | 10/25 | 3,295 | 64.5 | 8.5 | 1.0 | . | 935 |
| CB 7 | 10/25 | 3,292 | 68.0 | 4.0 | 3.0 | . | 905 |
| Georgia-06G | 10/25 | 3,236 | 68.0 | 3.0 | 3.0 | . | 759 |
| AU-NPL 17 | 10/25 | 3,197 | 62.5 | 6.5 | 2.0 | . | 798 |
| Georgia-18RU | 11/07 | 3,171 | 72.0 | 3.5 | 2.0 | . | 669 |
| TUFRunnerTM '297' | 10/25 | 3,092 | 66.0 | 5.0 | 3.0 | . | 766 |
| TifNV-HG | 10/25 | 3,027 | 61.5 | 6.0 | 2.5 | . | 785 |
| GA 192517 | 11/07 | 3,007 | 63.5 | 6.5 | 3.5 | . | 795 |
| GA 182521 | 11/07 | 2,983 | 67.0 | 4.0 | 4.5 | . | 756 |
| FloRunTM 'T61' | 10/25 | 2,938 | 67.5 | 5.5 | 1.0 | . | 749 |
| Georgia-16HO | 10/25 | 2,892 | 66.0 | 5.5 | 2.0 | . | 790 |
| GA 162722 | 10/25 | 2,876 | 70.5 | 4.5 | 2.0 | . | 758 |
| FloRunTM '331' | 10/25 | 2,852 | 70.0 | 4.5 | 1.0 | . | 795 |
| Georgia-20VHO | 10/25 | 2,802 | 70.5 | 4.5 | 2.0 | . | 791 |
| Georgia Greener | 10/25 | 2,726 | 66.5 | 4.5 | 3.0 | . | 760 |
| Tifguard | 10/25 | 2,682 | 62.0 | 7.5 | 1.5 | . | 877 |
| Georgia-14N | 11/07 | 2,593 | 70.5 | 6.0 | 2.0 | . | 895 |
| GA 163103 | 10/25 | 2,580 | 71.0 | 4.0 | 1.5 | . | 610 |
| Georgia-09B | 10/25 | 2,572 | 64.0 | 6.0 | 3.0 | . | 761 |
| GA 162725 | 10/25 | 2,493 | 66.5 | 4.5 | 3.0 | . | 740 |
| TifNV-High O/L | 10/25 | 2,455 | 67.5 | 3.0 | 1.0 | . | 798 |
| CB 2 | 10/25 | 2,336 | 66.0 | 5.0 | 1.5 | . | 774 |
| Georgia-07W | 11/07 | 2,309 | 64.0 | 5.0 | 4.0 | . | 691 |
| Virginia Types | | | | | | | |
| Georgia-19HP | 10/25 | 2,787 | 66.0 | 3.0 | 3.0 | 26.5 | 584 |
| TifJumbo | 10/25 | 2,547 | 62.5 | 5.5 | 3.5 | 25.0 | 601 |
| Average | | 2,893 | 66.8 | 4.9 | 2.4 | 3.2 | 757 |
| LSD at 10% Level | | 298 | NS | 1.8 | 1.2 | 5.2 | 103 |
| Model R-square | | 0.48 | 0.58 | 0.68 | 0.70 | 0.93 | 0.75 |
| C.V. | | 13.8 | 5.3 | 28.1 | 38.0 | 122.6 | 10.4 |

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

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

Planted: June 2, 2022.

Soil Type: Greenville sandy loam.

Previous Crop: Cotton.

Soil Test (lbs/ac): $P_2O_5 = 10$, $K_2O = 183$, and $pH = 5.9$.

Fertilization: None.

Tillage: Conventional tillage.

Herbicide: Valor, Prowl, Select, Dual Magnum, Storm and Cadre.

Fungicide: Bravo, Provost and Convoy.

Irrigation: 8.5 inches.

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

Plains, Georgia: Peanut Yield and Grade Performance, 2022, Dryland

| Variety | Digging | Yield lb/A | TSMK % | OK % | DK % | ELK % | Seed no./lb |
|-----------------------|---------|---------------|-----------|---------|---------|----------|----------------|
| | Date | | | | | | |
| Runner Types | | | | | | | |
| Georgia-21GR | 11/07 | 3,533 | 71.0 | 3.5 | 2.0 | . | 692 |
| CB 7 | 10/25 | 3,530 | 70.0 | 5.5 | 1.0 | . | 820 |
| Georgia-12Y | 11/07 | 3,501 | 68.5 | 4.5 | 2.0 | . | 745 |
| Georgia-22MPR | 11/07 | 3,338 | 70.0 | 3.5 | 3.0 | . | 694 |
| Georgia-18RU | 11/07 | 3,324 | 72.5 | 3.0 | 2.5 | . | 720 |
| GA 192517 | 11/07 | 3,256 | 70.5 | 5.5 | 1.0 | . | 769 |
| GA 182521 | 11/07 | 3,178 | 71.0 | 3.0 | 2.5 | . | 703 |
| FloRunTM 'T61' | 10/25 | 3,144 | 66.5 | 6.0 | 2.0 | . | 795 |
| CB 1 | 10/25 | 3,113 | 69.0 | 6.0 | 1.0 | . | 985 |
| TifNV-HG | 10/25 | 3,055 | 70.5 | 3.5 | 1.5 | . | 701 |
| Georgia-06G | 10/25 | 2,990 | 69.5 | 4.5 | 1.5 | . | 693 |
| Georgia-16HO | 10/25 | 2,975 | 70.0 | 3.0 | 2.5 | . | 743 |
| Georgia-07W | 11/07 | 2,948 | 69.5 | 4.5 | 3.5 | . | 741 |
| TUFRunnerTM '297' | 10/25 | 2,938 | 70.0 | 4.0 | 1.5 | . | 672 |
| FloRunTM '331' | 10/25 | 2,928 | 69.0 | 4.5 | 1.0 | . | 802 |
| GA 162725 | 10/25 | 2,916 | 66.0 | 5.0 | 3.0 | . | 765 |
| Georgia-20VHO | 10/25 | 2,916 | 70.5 | 5.0 | 2.0 | . | 820 |
| Georgia-14N | 11/07 | 2,911 | 71.5 | 4.5 | 1.5 | . | 752 |
| AU-NPL 17 | 10/25 | 2,860 | 67.5 | 4.5 | 1.0 | . | 768 |
| GA 162722 | 10/25 | 2,799 | 70.0 | 5.5 | 1.5 | . | 850 |
| TifNV-High O/L | 10/25 | 2,799 | 68.5 | 4.0 | 1.5 | . | 741 |
| Tifguard | 10/25 | 2,753 | 68.5 | 4.5 | 1.5 | . | 766 |
| GA 163103 | 10/25 | 2,652 | 69.0 | 4.5 | 2.0 | . | 701 |
| Georgia Greener | 10/25 | 2,571 | 67.5 | 5.5 | 3.5 | . | 807 |
| CB 2 | 10/25 | 2,473 | 69.0 | 5.0 | 2.0 | . | 697 |
| Georgia-09B | 10/25 | 2,284 | 66.0 | 5.5 | 3.0 | . | 774 |
| Virginia Types | | | | | | | |
| TifJumbo | 10/25 | 3,040 | 68.0 | 4.0 | 1.5 | 27.0 | 613 |
| Georgia-19HP | 10/25 | 2,913 | 71.5 | 4.0 | 1.0 | 30.0 | 633 |
| Average | | 2,987 | 69.0 | 4.5 | 2.0 | 3.0 | 745 |
| LSD at 10% Level | | 262 | 2.3 | 1.2 | 1.2 | 1.5 | 81 |
| Model R-square | | 0.49 | 0.76 | 0.63 | 0.64 | 0.99 | 0.76 |
| C.V. | | 11.8 | 2.6 | 20.5 | 45.0 | 37.8 | 8.3 |

"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: June 2, 2022.

Soil Type: Greenville sandy loam.

Previous Crop: Soybean.

Soil Test (lbs/ac): $P_2O_5 = 32$, $K_2O = 176$, and $pH = 6.3$.

Fertilization: None.

Tillage: Conventional tillage.

Herbicide: Valor, Prowl, Select, Dual Magnum, Storm and Cadre.

Fungicide: Bravo, Provost and Convoy.

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

Multi-Location Summary of Seed Cotton Yields, 2022

| Brand | Variety | Irrigated | | | | Dryland | | |
|----------------------------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Midville | Plains | Tifton | Bainbridge | Midville | Plains | Tifton |
| -----lb/acre----- | | | | | | | | |
| OVT - Glyphosate tolerant | | | | | | | | |
| Armor | 9371 B3XF | 5,623 | 4,543 | 2,990 | 2,613 | 4,100 | 4,946 | 2,407 |
| Armor | 9831 B3XF | 5,574 | 3,670 | 3,594 | 2,248 | 4,672 | 4,254 | 2,122 |
| Deltapine | DP 1646 B2XF | 4,899 | 3,398 | 2,983 | 2,578 | 3,976 | 3,525 | 2,475 |
| Deltapine | DP 2012 B3XF | 5,029 | 3,978 | 3,168 | 2,213 | 4,252 | 4,441 | 2,696 |
| Deltapine | DP 2020 B3XF | 5,525 | 3,710 | 2,953 | 2,519 | 4,287 | 3,898 | 2,083 |
| Deltapine | DP 2038 B3XF | 4,624 | 3,275 | 3,131 | 1,912 | 4,068 | 4,253 | 2,978 |
| Deltapine | DP 2055 B3XF | 4,890 | 3,234 | 2,965 | 2,483 | 3,901 | 3,922 | 2,024 |
| Deltapine | DP 2115 B3XF | 5,238 | 4,104 | 2,425 | 2,821 | 3,536 | 4,074 | 2,475 |
| Deltapine | DP 2127 B3XF | 5,467 | 4,028 | 3,361 | 2,152 | 4,234 | 4,374 | 2,947 |
| Deltapine | DP 2141NR B3XF | 4,708 | 3,709 | 2,636 | 2,517 | 3,497 | 4,326 | 2,195 |
| Dyna-Gro | DG 3456 B2XF | 4,814 | 4,197 | 3,050 | 2,334 | 3,746 | 3,945 | 2,586 |
| Dyna-Gro | DG 3511 B3XF | 4,913 | 3,601 | 3,117 | 2,379 | 3,702 | 4,608 | 2,871 |
| Dyna-Gro | DG 3519 B3XF | 4,865 | 4,560 | 3,265 | 2,436 | 3,856 | 5,199 | 2,223 |
| Dyna-Gro | DG 3528 B3XF | 5,333 | 3,224 | 3,237 | 2,121 | 4,241 | 4,142 | 2,405 |
| Dyna-Gro | DG 3615 B3XF | 5,504 | 4,018 | 3,745 | 2,197 | 4,612 | 4,545 | 3,025 |
| Dyna-Gro | DG 3799 B3XF | 5,651 | 4,194 | 3,847 | 2,424 | 4,675 | 4,399 | 2,933 |
| Dyna-Gro | DG H959 B3XF | 5,292 | 4,184 | 3,493 | 2,204 | 4,656 | 4,245 | 3,123 |
| NEXGEN | NG 3195 B3XF | 4,999 | 4,116 | 3,138 | 2,475 | 4,095 | 4,075 | 2,718 |
| NEXGEN | NG 4190 B3XF | 5,407 | 3,669 | 3,217 | 2,790 | 4,141 | 4,403 | 2,396 |
| NEXGEN | NG 5150 B3XF | 4,707 | 3,397 | 2,948 | 2,644 | 4,087 | 4,381 | 2,528 |
| PhytoGen | 1130B333-04 | 4,576 | 4,018 | 2,918 | 2,560 | 4,190 | 4,592 | 2,141 |
| PhytoGen | 1130B336-04 | 4,754 | 3,966 | 2,685 | 2,127 | 3,945 | 4,273 | 2,633 |
| PhytoGen | 1140A385-04 | 5,135 | 3,016 | 3,161 | 2,172 | 3,865 | 3,777 | 2,667 |
| PhytoGen | 1140B373-04 | 4,667 | 3,966 | 3,141 | 2,113 | 4,052 | 4,507 | 2,313 |
| PhytoGen | 1150A450-04 | 4,624 | 3,530 | 2,956 | 2,303 | 4,040 | 4,206 | 2,886 |
| PhytoGen | 1150B431-04 | 4,920 | 4,278 | 4,102 | 2,338 | 4,106 | 4,695 | 2,451 |
| PhytoGen | 1150B434-04 | 4,601 | 4,541 | 3,399 | 2,061 | 4,160 | 4,813 | 2,458 |
| PhytoGen | 1150B435-04 | 4,672 | 4,446 | 3,240 | 2,417 | 4,036 | 4,376 | 3,679 |
| PhytoGen | 1150B437-04 | 5,035 | 4,419 | 3,506 | 2,676 | 4,178 | 4,990 | 3,410 |
| PhytoGen | PHY 332 W3FE | 4,439 | 3,773 | 2,560 | 1,976 | 3,541 | 4,209 | 2,594 |
| PhytoGen | PHY 360 W3FE | 4,799 | 3,722 | 3,054 | 2,180 | 3,333 | 4,196 | 2,353 |
| PhytoGen | PHY 400 W3FE | 4,722 | 3,747 | 2,742 | 2,404 | 3,685 | 4,089 | 2,430 |
| PhytoGen | PHY 411 W3FE | 5,152 | 3,957 | 2,728 | 2,402 | 3,936 | 4,166 | 2,544 |
| PhytoGen | PHY 415 W3FE | 4,734 | 3,490 | 2,703 | 2,265 | 4,113 | 4,226 | 2,834 |
| PhytoGen | PHY 443 W3FE | 4,896 | 3,701 | 2,668 | 2,119 | 3,866 | 4,272 | 2,466 |
| PhytoGen | PHY 545 W3FE | 4,832 | 2,974 | 3,148 | 2,065 | 3,690 | 3,479 | 2,602 |
| Stoneville | BX 2392B3XF | 4,525 | 3,253 | 3,084 | 2,423 | 3,898 | 4,084 | 2,535 |
| Stoneville | BX 2394B3XF | 5,353 | 3,018 | 3,175 | 2,854 | 4,120 | 4,001 | 2,724 |
| Stoneville | BX 2396B3XF | 5,262 | 2,539 | 3,028 | 1,918 | 4,352 | 3,365 | 2,230 |
| Stoneville | BX 2398B3XF | 5,092 | 2,710 | 2,931 | 2,349 | 3,973 | 3,627 | 2,644 |
| Stoneville | ST 4595B3XF | 4,808 | 3,800 | 2,791 | 2,093 | 4,069 | 3,864 | 2,283 |
| Stoneville | ST 4990B3XF | 5,007 | 3,652 | 3,254 | 2,629 | 3,822 | 4,417 | 2,691 |
| Stoneville | ST 5091B3XF | 5,110 | 4,362 | 3,146 | 1,862 | 3,745 | 4,633 | 2,929 |
| Average | | 5,010 | 3,770 | 3,119 | 2,336 | 4,039 | 4,255 | 2,606 |
| LSD at 10% Level | | 397 | 485 | 339 | 395 | 312 | 394 | 524 |
| Model R-square | | 0.69 | 0.74 | 0.90 | 0.85 | 0.76 | 0.72 | 0.79 |
| CV | | 8.68 | 18.50 | 11.90 | 18.50 | 8.46 | 10.15 | 22.01 |
| | Planted | 19-May | 1-Jun | 3-May | 17-May | 18-May | 1-Jun | 4-May |
| | Harvested | 20-Oct | 7-Nov | 27-Sep | 18-Oct | 21-Oct | 8-Nov | 26-Sep |

Multi-Location Summary of Seed Cotton Yields, 2022 (Continued)

| Brand | Variety | Irrigated | | | | Dryland | | |
|---|----------------|-------------------|--------------|--------------|------------|----------|--------|--------|
| | | Midville | Plains | Tifton | Bainbridge | Midville | Plains | Tifton |
| | | -----lb/acre----- | | | | | | |
| Strains - conventional herbicide program | | | | | | | | |
| Deltapine | 20R745NRB3XF | 5,100 | 3,068 | 4,036 | | | | |
| Deltapine | DP 1646 B2XF | 5,100 | 4,037 | 3,796 | | | | |
| Deltapine | DP 2333 B3XF | 4,822 | 4,107 | 4,176 | | | | |
| Deltapine | DP 2349NR B3XF | 4,786 | 3,455 | 4,071 | | | | |
| SSG | UA 114 | 4,773 | 4,363 | 4,311 | | | | |
| SSG | UA 222 | 4,719 | 4,466 | 4,069 | | | | |
| Stoneville | ST 4990B3XF | 4,513 | 4,567 | 3,873 | | | | |
| UGA | GA 2016024 | 4,816 | 4,106 | 3,193 | | | | |
| UGA | GA 2017024 | 4,344 | 4,167 | 3,316 | | | | |
| UGA | GA 2017126 | 4,731 | 4,064 | 3,313 | | | | |
| UGA | GA 2017131 | 4,652 | 3,983 | 3,261 | | | | |
| UGA | GA 2017132 | 4,955 | 4,546 | 3,181 | | | | |
| UGA | GA 2017136 | 4,187 | 4,016 | 3,519 | | | | |
| UGA | GA 2018139 | 4,441 | 4,456 | 3,531 | | | | |
| UGA | GA 2019004 | 4,749 | 3,789 | 3,275 | | | | |
| Average | | 4,713 | 4,079 | 3,661 | | | | |
| LSD at 10% Level | | NS | 332 | 331 | | | | |
| Model R-square | | 0.46 | 0.83 | 0.81 | | | | |
| CV | | 9.04 | 8.75 | 9.73 | | | | |
| | Planted | 19-May | 1-Jun | 3-May | | | | |
| | Harvested | 19-Oct | 7-Nov | 27-Sep | | | | |

Multi-Location Summary of Lint Yields, 2022

| Brand | Variety | Irrigated | | | | Dryland | | |
|----------------------------------|----------------|--------------|--------------|--------------|------------|--------------|--------------|--------------|
| | | Midville | Plains | Tifton | Bainbridge | Midville | Plains | Tifton |
| -----lb/acre----- | | | | | | | | |
| OVT - Glyphosate tolerant | | | | | | | | |
| Armor | 9371 B3XF | 2,276 | 2,000 | 1,238 | 1,240 | 1,785 | 2,090 | 1,020 |
| Armor | 9831 B3XF | 2,313 | 1,588 | 1,480 | 1,026 | 1,991 | 1,825 | 948 |
| Deltapine | DP 1646 B2XF | 1,913 | 1,483 | 1,197 | 1,130 | 1,795 | 1,543 | 1,038 |
| Deltapine | DP 2012 B3XF | 1,968 | 1,619 | 1,233 | 945 | 1,669 | 1,837 | 1,158 |
| Deltapine | DP 2020 B3XF | 2,102 | 1,393 | 1,158 | 1,092 | 1,677 | 1,566 | 887 |
| Deltapine | DP 2038 B3XF | 1,866 | 1,477 | 1,379 | 983 | 1,885 | 1,932 | 1,440 |
| Deltapine | DP 2055 B3XF | 2,116 | 1,360 | 1,148 | 1,062 | 1,732 | 1,674 | 907 |
| Deltapine | DP 2115 B3XF | 2,162 | 1,789 | 978 | 1,227 | 1,770 | 1,753 | 1,050 |
| Deltapine | DP 2127 B3XF | 2,203 | 1,715 | 1,364 | 903 | 1,816 | 1,911 | 1,301 |
| Deltapine | DP 2141NR B3XF | 1,857 | 1,593 | 1,005 | 1,096 | 1,349 | 1,850 | 951 |
| Dyna-Gro | DG 3456 B2XF | 1,978 | 1,818 | 1,241 | 991 | 1,722 | 1,722 | 1,166 |
| Dyna-Gro | DG 3511 B3XF | 1,909 | 1,547 | 1,306 | 1,094 | 1,554 | 2,032 | 1,281 |
| Dyna-Gro | DG 3519 B3XF | 1,982 | 2,012 | 1,343 | 945 | 1,642 | 2,287 | 1,005 |
| Dyna-Gro | DG 3528 B3XF | 1,995 | 1,305 | 1,230 | 892 | 1,915 | 1,748 | 1,007 |
| Dyna-Gro | DG 3615 B3XF | 2,269 | 1,789 | 1,582 | 959 | 1,999 | 2,026 | 1,345 |
| Dyna-Gro | DG 3799 B3XF | 2,223 | 1,845 | 1,622 | 1,125 | 1,875 | 1,909 | 1,290 |
| Dyna-Gro | DG H959 B3XF | 2,069 | 1,767 | 1,430 | 928 | 1,900 | 1,760 | 1,335 |
| NEXGEN | NG 3195 B3XF | 1,947 | 1,778 | 1,264 | 1,113 | 1,826 | 1,713 | 1,170 |
| NEXGEN | NG 4190 B3XF | 2,185 | 1,534 | 1,248 | 1,270 | 1,828 | 1,829 | 993 |
| NEXGEN | NG 5150 B3XF | 1,796 | 1,342 | 1,165 | 1,149 | 1,835 | 1,821 | 1,106 |
| PhytoGen | 1130B333-04 | 1,819 | 1,680 | 1,091 | 1,124 | 1,689 | 1,893 | 903 |
| PhytoGen | 1130B336-04 | 1,828 | 1,660 | 1,050 | 957 | 1,440 | 1,854 | 1,135 |
| PhytoGen | 1140A385-04 | 2,108 | 1,281 | 1,244 | 999 | 1,982 | 1,654 | 1,196 |
| PhytoGen | 1140B373-04 | 1,843 | 1,706 | 1,231 | 971 | 1,695 | 1,894 | 968 |
| PhytoGen | 1150A450-04 | 1,772 | 1,523 | 1,174 | 1,039 | 1,627 | 1,795 | 1,176 |
| PhytoGen | 1150B431-04 | 1,851 | 1,755 | 1,580 | 1,048 | 1,579 | 1,968 | 1,043 |
| PhytoGen | 1150B434-04 | 1,796 | 1,914 | 1,335 | 901 | 1,639 | 1,993 | 1,081 |
| PhytoGen | 1150B435-04 | 1,716 | 1,856 | 1,249 | 1,026 | 1,683 | 1,796 | 1,599 |
| PhytoGen | 1150B437-04 | 1,983 | 1,921 | 1,457 | 1,154 | 1,696 | 2,092 | 1,487 |
| PhytoGen | PHY 332 W3FE | 1,639 | 1,547 | 981 | 883 | 1,408 | 1,697 | 1,068 |
| PhytoGen | PHY 360 W3FE | 1,738 | 1,569 | 1,149 | 987 | 1,480 | 1,714 | 985 |
| PhytoGen | PHY 400 W3FE | 1,851 | 1,650 | 1,114 | 1,138 | 1,538 | 1,756 | 1,040 |
| PhytoGen | PHY 411 W3FE | 2,144 | 1,757 | 1,080 | 1,038 | 1,620 | 1,831 | 1,113 |
| PhytoGen | PHY 415 W3FE | 1,969 | 1,438 | 1,044 | 962 | 1,629 | 1,735 | 1,239 |
| PhytoGen | PHY 443 W3FE | 1,969 | 1,554 | 1,081 | 929 | 1,744 | 1,803 | 1,036 |
| PhytoGen | PHY 545 W3FE | 2,020 | 1,313 | 1,272 | 986 | 1,624 | 1,518 | 1,137 |
| Stoneville | BX 2392B3XF | 1,778 | 1,343 | 1,254 | 1,088 | 1,733 | 1,663 | 1,135 |
| Stoneville | BX 2394B3XF | 2,141 | 1,209 | 1,233 | 1,285 | 1,818 | 1,591 | 1,167 |
| Stoneville | BX 2396B3XF | 2,040 | 1,005 | 1,214 | 880 | 1,893 | 1,391 | 980 |
| Stoneville | BX 2398B3XF | 1,963 | 1,133 | 1,151 | 1,021 | 1,610 | 1,502 | 1,101 |
| Stoneville | ST 4595B3XF | 2,047 | 1,611 | 1,112 | 970 | 1,616 | 1,614 | 1,034 |
| Stoneville | ST 4990B3XF | 2,022 | 1,399 | 1,253 | 1,095 | 1,450 | 1,722 | 1,042 |
| Stoneville | ST 5091B3XF | 2,215 | 1,814 | 1,304 | 815 | 1,775 | 1,944 | 1,204 |
| Average | | 1,991 | 1,596 | 1,247 | 1,036 | 1,714 | 1,799 | 1,126 |
| LSD at 10% Level | | 158 | 205 | 135 | NS | 136 | 167 | 227 |
| Model R-square | | 0.75 | 0.77 | 0.90 | 0.85 | 0.8 | 0.74 | 0.79 |
| CV | | 8.72 | 14.08 | 11.82 | 18.32 | 8.7 | 10.15 | 22.1 |
| | Planted | 19-May | 1-Jun | 3-May | 17-May | 18-May | 1-Jun | 4-May |
| | Harvested | 20-Oct | 7-Nov | 27-Sep | 18-Oct | 21-Oct | 8-Nov | 26-Sep |

Multi-Location Summary of Lint Yields, 2022 (Continued)

| Brand | Variety | Irrigated | | | | Dryland | | |
|---|----------------|-------------------|--------------|--------------|------------|----------|--------|--------|
| | | Midville | Plains | Tifton | Bainbridge | Midville | Plains | Tifton |
| | | -----lb/acre----- | | | | | | |
| Strains - conventional herbicide program | | | | | | | | |
| Deltapine | DP 2333 B3SF | 2,219 | 1,636 | 1,973 | | | | |
| Deltapine | 20R745NRB3XF | 2,313 | 1,159 | 1,791 | | | | |
| Deltapine | DP 2349NR B3XF | 2,130 | 1,356 | 1,777 | | | | |
| Deltapine | DP 1646 B2XF | 2,321 | 1,618 | 1,635 | | | | |
| Stoneville | ST 4990B3XF | 1,868 | 1,659 | 1,532 | | | | |
| SSG | UA 114 | 2,130 | 1,784 | 1,852 | | | | |
| SSG | UA 222 | 2,057 | 1,762 | 1,762 | | | | |
| UGA | GA 2016024 | 1,947 | 1,646 | 1,331 | | | | |
| UGA | GA 2017024 | 1,793 | 1,646 | 1,395 | | | | |
| UGA | GA 2017126 | 1,891 | 1,568 | 1,330 | | | | |
| UGA | GA 2017131 | 2,016 | 1,643 | 1,402 | | | | |
| UGA | GA 2017132 | 2,098 | 1,802 | 1,372 | | | | |
| UGA | GA 2017136 | 1,797 | 1,635 | 1,431 | | | | |
| UGA | GA 2018139 | 1,794 | 1,731 | 1,452 | | | | |
| UGA | GA 2019004 | 2,033 | 1,500 | 1,433 | | | | |
| Average | | 2,027 | 1,610 | 1,564 | | | | |
| LSD at 10% Level | | 166 | 132 | 141 | | | | |
| Model R-square | | 0.63 | 0.85 | 0.86 | | | | |
| CV | | 8.91 | 8.85 | 9.71 | | | | |
| Planted | | 19-May | 1-Jun | 3-May | | | | |
| Harvested | | 19-Oct | 7-Nov | 27-Sep | | | | |

Multi-Location Summary of Gin Turnout Rates, 2022

| Brand | Variety | Irrigated | | | | Dryland | | |
|----------------------------------|----------------|-----------|--------|--------|------------|----------|--------|--------|
| | | Midville | Plains | Tifton | Bainbridge | Midville | Plains | Tifton |
| -----Percent Lint----- | | | | | | | | |
| OVT - Glyphosate tolerant | | | | | | | | |
| Armor | 9371 B3XF | 40.5 | 44.0 | 41.1 | 47.2 | 42.8 | 42.2 | 42.8 |
| Armor | 9831 B3XF | 41.4 | 43.2 | 41.2 | 45.8 | 43.4 | 43.0 | 44.6 |
| Deltapine | DP 1646 B2XF | 39.0 | 43.6 | 40.3 | 43.8 | 45.1 | 43.9 | 41.7 |
| Deltapine | DP 2012 B3XF | 39.2 | 40.8 | 39.4 | 42.9 | 39.8 | 41.7 | 42.8 |
| Deltapine | DP 2020 B3XF | 38.1 | 37.6 | 39.3 | 43.3 | 37.6 | 40.1 | 42.5 |
| Deltapine | DP 2038 B3XF | 40.3 | 45.1 | 44.0 | 50.8 | 47.1 | 45.3 | 48.5 |
| Deltapine | DP 2055 B3XF | 43.3 | 42.1 | 37.2 | 42.9 | 43.9 | 42.8 | 44.5 |
| Deltapine | DP 2115 B3XF | 41.3 | 43.6 | 40.7 | 43.5 | 49.8 | 42.6 | 42.8 |
| Deltapine | DP 2127 B3XF | 40.3 | 42.6 | 40.8 | 42.4 | 42.0 | 43.9 | 44.0 |
| Deltapine | DP 2141NR B3XF | 39.6 | 43.0 | 38.3 | 43.6 | 39.3 | 43.1 | 43.1 |
| Dyna-Gro | DG 3456 B2XF | 41.1 | 43.3 | 41.2 | 42.0 | 45.6 | 43.4 | 45.3 |
| Dyna-Gro | DG 3511 B3XF | 38.8 | 42.9 | 42.2 | 46.1 | 41.6 | 44.3 | 45.1 |
| Dyna-Gro | DG 3519 B3XF | 40.7 | 44.1 | 41.3 | 39.0 | 44.4 | 43.7 | 45.1 |
| Dyna-Gro | DG 3528 B3XF | 37.5 | 40.5 | 38.0 | 41.9 | 45.0 | 42.2 | 41.7 |
| Dyna-Gro | DG 3615 B3XF | 41.2 | 44.5 | 42.3 | 43.6 | 43.9 | 44.2 | 44.3 |
| Dyna-Gro | DG 3799 B3XF | 39.4 | 44.0 | 42.4 | 45.7 | 41.0 | 43.5 | 43.8 |
| Dyna-Gro | DG H959 B3XF | 39.0 | 42.2 | 41.0 | 42.0 | 41.1 | 41.8 | 42.8 |
| NEXGEN | NG 3195 B3XF | 39.0 | 43.2 | 40.3 | 45.1 | 45.5 | 42.3 | 43.6 |
| NEXGEN | NG 4190 B3XF | 40.5 | 41.8 | 38.8 | 45.4 | 43.7 | 41.4 | 41.4 |
| NEXGEN | NG 5150 B3XF | 38.2 | 39.4 | 39.6 | 43.4 | 45.2 | 42.1 | 43.6 |
| PhytoGen | 1130B333-04 | 39.8 | 41.8 | 37.5 | 44.0 | 40.3 | 41.1 | 42.4 |
| PhytoGen | 1130B336-04 | 38.5 | 41.9 | 39.4 | 44.8 | 36.1 | 43.0 | 43.2 |
| PhytoGen | PHY 415 W3FE | 41.5 | 41.2 | 38.6 | 42.9 | 41.0 | 41.1 | 43.9 |
| PhytoGen | 1140A385-04 | 41.0 | 42.5 | 39.7 | 46.1 | 51.3 | 43.7 | 44.7 |
| PhytoGen | 1140B373-04 | 39.4 | 43.0 | 39.3 | 45.8 | 41.8 | 41.7 | 41.7 |
| PhytoGen | 1150A450-04 | 38.3 | 43.1 | 39.7 | 45.0 | 40.2 | 43.1 | 40.8 |
| PhytoGen | 1150B431-04 | 37.7 | 40.9 | 38.2 | 44.9 | 37.9 | 41.8 | 42.5 |
| PhytoGen | 1150B434-04 | 39.0 | 42.2 | 39.0 | 43.7 | 37.9 | 40.8 | 44.1 |
| PhytoGen | 1150B435-04 | 36.7 | 41.8 | 38.1 | 42.6 | 41.0 | 41.0 | 43.6 |
| PhytoGen | 1150B437-04 | 39.4 | 43.5 | 41.6 | 43.0 | 41.5 | 41.9 | 43.7 |
| PhytoGen | PHY 332 W3FE | 37.0 | 41.1 | 38.0 | 44.6 | 39.7 | 40.5 | 41.0 |
| PhytoGen | PHY 360 W3FE | 36.2 | 42.1 | 37.3 | 45.1 | 44.6 | 41.0 | 41.9 |
| PhytoGen | PHY 400 W3FE | 39.2 | 44.0 | 40.3 | 47.1 | 40.9 | 43.2 | 42.7 |
| PhytoGen | PHY 411 W3FE | 41.8 | 44.4 | 39.6 | 43.0 | 42.0 | 44.2 | 43.7 |
| PhytoGen | PHY 443 W3FE | 40.2 | 42.0 | 40.1 | 43.8 | 45.3 | 42.2 | 42.2 |
| PhytoGen | PHY 545 W3FE | 41.8 | 44.1 | 41.1 | 48.2 | 44.5 | 44.0 | 44.1 |
| Stoneville | BX 2392B3XF | 39.3 | 41.3 | 40.2 | 45.0 | 43.7 | 40.9 | 44.6 |
| Stoneville | BX 2394B3XF | 40.1 | 40.0 | 39.4 | 45.0 | 44.3 | 40.4 | 42.8 |
| Stoneville | BX 2396B3XF | 38.8 | 39.5 | 39.7 | 46.0 | 43.0 | 41.6 | 43.9 |
| Stoneville | BX 2398B3XF | 38.6 | 41.8 | 38.9 | 43.6 | 40.2 | 40.8 | 41.5 |
| Stoneville | ST 4595B3XF | 42.5 | 42.4 | 39.7 | 46.3 | 40.0 | 41.8 | 45.1 |
| Stoneville | ST 4990B3XF | 40.3 | 38.2 | 38.8 | 41.6 | 39.2 | 38.4 | 38.5 |
| Stoneville | ST 5091B3XF | 43.3 | 42.2 | 41.5 | 43.5 | 48.0 | 41.1 | 40.9 |
| Average | | 39.7 | 42.3 | 40.0 | 44.4 | 42.6 | 42.3 | 43.2 |
| LSD at 10% Level | | 2.7 | 1.3 | 1.2 | 3.5 | 4.7 | 1.2 | 1.9 |
| Model R-square | | 0.77 | 0.99 | 0.94 | 0.91 | 0.94 | 0.93 | 0.99 |
| CV | | 5.23 | 2.38 | 2.22 | 6.12 | 8.37 | 2.19 | 3.36 |
| | Planted | 19-May | 1-Jun | 3-May | 17-May | 18-May | 1-Jun | 4-May |
| | Harvested | 20-Oct | 7-Nov | 27-Sep | 18-Oct | 21-Oct | 8-Nov | 26-Sep |

Multi-Location Summary of Gin Turnout Rates, 2022 (Continued)

| Brand | Variety | Irrigated | | | | Dryland | | |
|---|----------------|------------------------|--------|--------|------------|----------|--------|--------|
| | | Midville | Plains | Tifton | Bainbridge | Midville | Plains | Tifton |
| | | -----Percent Lint----- | | | | | | |
| Strains - conventional herbicide program | | | | | | | | |
| Deltapine | 20R745NRB3XF | 37.8 | 45.4 | 44.4 | | | | |
| Deltapine | DP 1646 B2XF | 40.2 | 45.5 | 43.1 | | | | |
| Deltapine | DP 2333 B3SF | 39.9 | 46.0 | 47.3 | | | | |
| Deltapine | DP 2349NR B3XF | 39.2 | 44.2 | 43.7 | | | | |
| SSG | UA 114 | 40.9 | 44.5 | 43.0 | | | | |
| SSG | UA 222 | 39.4 | 43.6 | 43.3 | | | | |
| Stoneville | ST 4990B3XF | 36.3 | 41.0 | 39.6 | | | | |
| UGA | GA 2016024 | 40.1 | 40.4 | 41.6 | | | | |
| UGA | GA 2017024 | 39.5 | 41.5 | 42.1 | | | | |
| UGA | GA 2017126 | 38.5 | 40.5 | 40.1 | | | | |
| UGA | GA 2017131 | 41.3 | 43.3 | 43.0 | | | | |
| UGA | GA 2017132 | 39.6 | 42.3 | 43.1 | | | | |
| UGA | GA 2017136 | 40.7 | 42.7 | 40.6 | | | | |
| UGA | GA 2018139 | 38.9 | 40.3 | 41.1 | | | | |
| UGA | GA 2019004 | 39.6 | 42.8 | 43.7 | | | | |
| Average | | 39.5 | 42.9 | 42.6 | | | | |
| LSD at 10% Level | | 1.8 | 1.1 | 1.7 | | | | |
| Model R-square | | 0.72 | 0.92 | 0.82 | | | | |
| CV | | 3.40 | 1.93 | 3.03 | | | | |
| Planted | | 19-May | 1-Jun | 3-May | | | | |
| Harvested | | 19-Oct | 7-Nov | 27-Sep | | | | |

Midville, Georgia: Cotton Variety Performance, 2022, Irrigated

| Company or Brand Name | Variety | Lint | Seed Cot. | Lint ¹ % | Fiber Quality ² | | | | Yellowness ³ grade |
|--------------------------|----------------|------------------|------------------|------------------------|----------------------------|-----------------|-------------------|---------------------|----------------------------------|
| | | Yield lb/acre | Yield lb/acre | | Length inches | Uniformity % | Strength g/tex | Micronaire units | |
| Armor | 9831 B3XF | 2,313 | 5,574 | 41.4 | 1.18 | 83.1 | 33.0 | 4.4 | 8.5 |
| Armor | 9371 B3XF | 2,276 | 5,623 | 40.5 | 1.18 | 83.4 | 29.5 | 4.1 | 8.4 |
| Dyna-Gro | DG 3615 B3XF | 2,269 | 5,504 | 41.2 | 1.20 | 83.1 | 34.5 | 4.2 | 8.8 |
| Dyna-Gro | DG 3799 B3XF | 2,223 | 5,651 | 39.4 | 1.19 | 83.1 | 33.3 | 4.2 | 8.9 |
| Stoneville | ST 5091B3XF | 2,215 | 5,110 | 43.3 | 1.16 | 81.3 | 28.5 | 4.2 | 7.8 |
| Deltapine | DP 2127 B3XF | 2,203 | 5,467 | 40.3 | 1.18 | 84.7 | 31.0 | 4.3 | 8.1 |
| NEXGEN | NG 4190 B3XF | 2,185 | 5,407 | 40.5 | 1.21 | 83.8 | 31.5 | 3.7 | 8.1 |
| Deltapine | DP 2115 B3XF | 2,162 | 5,238 | 41.3 | 1.19 | 83.2 | 31.0 | 4.4 | 8.3 |
| PhytoGen | PHY 411 W3FE | 2,144 | 5,152 | 41.8 | 1.14 | 82.5 | 32.5 | 4.1 | 7.9 |
| Stoneville | BX 2394B3XF | 2,141 | 5,353 | 40.1 | 1.21 | 81.8 | 31.5 | 3.9 | 8.6 |
| Deltapine | DP 2055 B3XF | 2,116 | 4,890 | 43.3 | 1.25 | 81.9 | 31.0 | 4.3 | 8.7 |
| PhytoGen | 1140A385-04 | 2,108 | 5,135 | 41.0 | 1.14 | 83.1 | 31.5 | 4.3 | 8.7 |
| Deltapine | DP 2020 B3XF | 2,102 | 5,525 | 38.1 | 1.23 | 82.6 | 32.0 | 4.2 | 8.0 |
| Dyna-Gro | DG H959 B3XF | 2,069 | 5,292 | 39.0 | 1.21 | 82.5 | 33.0 | 4.2 | 8.9 |
| Stoneville | ST 4595B3XF | 2,047 | 4,808 | 42.5 | 1.19 | 83.4 | 31.0 | 4.2 | 8.3 |
| Stoneville | BX 2396B3XF | 2,040 | 5,262 | 38.8 | 1.19 | 83.4 | 30.0 | 4.3 | 9.1 |
| Stoneville | ST 4990B3XF | 2,022 | 5,007 | 40.3 | 1.20 | 83.4 | 31.0 | 4.1 | 8.0 |
| PhytoGen | PHY 545 W3FE | 2,020 | 4,832 | 41.8 | 1.14 | 83.3 | 32.0 | 3.9 | 8.6 |
| Dyna-Gro | DG 3528 B3XF | 1,995 | 5,333 | 37.5 | 1.23 | 83.8 | 30.5 | 3.9 | 8.2 |
| PhytoGen | 1150B437-04 | 1,983 | 5,035 | 39.4 | 1.15 | 83.1 | 33.5 | 4.4 | 8.8 |
| Dyna-Gro | DG 3519 B3XF | 1,982 | 4,865 | 40.7 | 1.23 | 84.5 | 33.5 | 4.3 | 7.6 |
| Dyna-Gro | DG 3456 B2XF | 1,978 | 4,814 | 41.1 | 1.16 | 82.5 | 29.0 | 4.1 | 8.3 |
| PhytoGen | PHY 443 W3FE | 1,969 | 4,896 | 40.2 | 1.18 | 84.0 | 38.0 | 4.2 | 8.9 |
| PhytoGen | PHY 415 W3FE | 1,969 | 4,734 | 41.5 | 1.21 | 83.2 | 33.5 | 3.9 | 9.1 |
| Deltapine | DP 2012 B3XF | 1,968 | 5,029 | 39.2 | 1.21 | 83.9 | 33.0 | 4.0 | 8.6 |
| Stoneville | BX 2398B3XF | 1,963 | 5,092 | 38.6 | 1.22 | 83.2 | 31.0 | 4.1 | 9.1 |
| NEXGEN | NG 3195 B3XF | 1,947 | 4,999 | 39.0 | 1.16 | 83.3 | 30.5 | 4.1 | 8.3 |
| Deltapine | DP 1646 B2XF | 1,913 | 4,899 | 39.0 | 1.27 | 83.6 | 30.5 | 4.0 | 7.9 |
| Dyna-Gro | DG 3511 B3XF | 1,909 | 4,913 | 38.8 | 1.19 | 84.0 | 34.0 | 4.4 | 9.5 |
| Deltapine | DP 2038 B3XF | 1,866 | 4,624 | 40.3 | 1.16 | 83.1 | 31.5 | 4.2 | 7.9 |
| Deltapine | DP 2141NR B3XF | 1,857 | 4,708 | 39.6 | 1.19 | 83.0 | 33.0 | 4.3 | 8.6 |
| PhytoGen | 1150B431-04 | 1,851 | 4,920 | 37.7 | 1.12 | 82.6 | 33.0 | 4.4 | 8.7 |
| PhytoGen | PHY 400 W3FE | 1,851 | 4,722 | 39.2 | 1.20 | 82.3 | 33.0 | 3.7 | 8.0 |
| PhytoGen | 1140B373-04 | 1,843 | 4,667 | 39.4 | 1.18 | 84.9 | 33.5 | 3.8 | 8.5 |
| PhytoGen | 1130B336-04 | 1,828 | 4,754 | 38.5 | 1.17 | 83.8 | 35.0 | 4.2 | 8.8 |
| PhytoGen | 1130B333-04 | 1,819 | 4,576 | 39.8 | 1.20 | 84.1 | 34.5 | 4.0 | 8.6 |
| NEXGEN | NG 5150 B3XF | 1,796 | 4,707 | 38.2 | 1.20 | 81.9 | 30.5 | 3.9 | 8.3 |
| PhytoGen | 1150B434-04 | 1,796 | 4,601 | 39.0 | 1.15 | 83.1 | 33.5 | 4.1 | 8.6 |
| Stoneville | BX 2392B3XF | 1,778 | 4,525 | 39.3 | 1.20 | 82.6 | 30.5 | 4.0 | 8.3 |
| PhytoGen | 1150A450-04 | 1,772 | 4,624 | 38.3 | 1.17 | 84.4 | 33.5 | 4.3 | 8.4 |
| PhytoGen | PHY 360 W3FE | 1,738 | 4,799 | 36.2 | 1.17 | 81.6 | 29.5 | 3.8 | 8.3 |
| PhytoGen | 1150B435-04 | 1,716 | 4,672 | 36.7 | 1.16 | 82.8 | 34.0 | 4.3 | 8.5 |
| PhytoGen | PHY 332 W3FE | 1,639 | 4,439 | 37.0 | 1.24 | 83.8 | 34.0 | 3.9 | 8.7 |
| Average | | 1,991 | 5,010 | 39.7 | 1.19 | 83.2 | 32.2 | 4.1 | 8.5 |
| LSD at 10% Level | | 158 | 397 | NS | 0.02 | 0.8 | 1.6 | 0.3 | 0.4 |
| Model R-square | | 0.75 | 0.69 | 0.77 | 0.95 | 0.89 | 0.82 | 0.89 | 0.89 |
| C.V. | | 8.72 | 8.68 | 5.23 | 1.41 | 0.71 | 3.78 | 4.77 | 3.78 |

Midville, Georgia: Cotton Variety Performance, 2022, Irrigated (Continued)

| Company or | | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|-----------------------------|----------------|--------------|--------------|----------------------------|--------|------------|----------|------------|-------------------------|
| Brand Name | Variety | Yield | Yield | Lint ¹ | Length | Uniformity | Strength | Micronaire | Yellowness ³ |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Conventional strains | | | | | | | | | |
| Deltapine | DP 1646 B2XF | 2,321 | 5,100 | 45.5 | 1.25 | 84.4 | 30.9 | 4.1 | 7.9 |
| Deltapine | 20R745NRB3XF | 2,313 | 5,100 | 45.4 | 1.21 | 82.6 | 31.7 | 4.4 | 8.4 |
| Deltapine | DP 2333 B3SF | 2,219 | 4,822 | 46.0 | 1.17 | 83.1 | 30.6 | 4.7 | 7.7 |
| SSG | UA 114 | 2,130 | 4,773 | 44.5 | 1.19 | 83.2 | 31.4 | 4.0 | 7.7 |
| Deltapine | DP 2349NR B3XF | 2,130 | 4,786 | 44.2 | 1.18 | 84.0 | 33.1 | 4.5 | 7.8 |
| UGA | GA 2017132 | 2,098 | 4,955 | 42.3 | 1.23 | 85.4 | 33.6 | 4.5 | 7.6 |
| SSG | UA 222 | 2,057 | 4,719 | 43.6 | 1.16 | 83.4 | 27.7 | 4.0 | 7.8 |
| UGA | GA 2019004 | 2,033 | 4,749 | 42.8 | 1.22 | 84.7 | 32.7 | 4.4 | 7.8 |
| UGA | GA 2017131 | 2,016 | 4,652 | 43.3 | 1.23 | 84.5 | 32.9 | 4.5 | 8.0 |
| UGA | GA 2016024 | 1,947 | 4,816 | 40.4 | 1.22 | 83.5 | 32.5 | 4.3 | 8.1 |
| UGA | GA 2017126 | 1,891 | 4,731 | 40.5 | 1.24 | 86.0 | 35.5 | 4.3 | 7.9 |
| Stoneville | ST 4990B3XF | 1,868 | 4,513 | 41.0 | 1.21 | 83.4 | 30.9 | 4.3 | 7.7 |
| UGA | GA 2017136 | 1,797 | 4,187 | 42.7 | 1.20 | 84.7 | 31.7 | 4.8 | 7.6 |
| UGA | GA 2018139 | 1,794 | 4,441 | 40.3 | 1.23 | 84.0 | 32.7 | 4.5 | 7.9 |
| UGA | GA 2017024 | 1,793 | 4,344 | 41.5 | 1.26 | 84.4 | 33.0 | 4.4 | 7.9 |
| Average | | 2,027 | 4,713 | 42.9 | 1.21 | 84.1 | 32.1 | 4.4 | 7.8 |
| LSD at 10% Level | | 166 | 392 | 1.1 | 0.03 | 1.0 | 1.4 | 0.3 | 0.4 |
| Model R-square | | 0.63 | 0.46 | 0.92 | 0.74 | 0.74 | 0.97 | 0.72 | 0.57 |
| C.V. | | 8.91 | 9.04 | 1.93 | 2.00 | 0.91 | 3.01 | 4.50 | 3.35 |

1. Determined using the table-top research gins.

2. Obtained from USDA classing office in Memphis, TN.

3. Color grade (+b).

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

Planted: May 19, 2022.

Harvested:

Soil Type: Dothan sandy loam.

Previous Crop:

Soil Test: 64 lb P₂O₅, and 140 lb K₂O/acre, and pH = 6.4.

Fertilization: Preplant: 35 lb N, 24 lb S, 37 lb P₂O₅, and 90 lb K₂O/acre. Sidedress: 80 lb N/acre.

Tillage: Conventional tillage.

Herbicide: Diuron, Reflex, MSMA, Staple, Envoke, and Select.

Fungicide: Headline.

Irrigation: 4.1 inches.

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

Plains, Georgia: Cotton Variety Performance, 2022, Irrigated

| Company or | | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|-------------------|----------------|--------------|--------------|----------------------------|--------|------------|----------|------------|-------------------------|
| Brand Name | Variety | Yield | Yield | Lint ¹ | Length | Uniformity | Strength | Micronaire | Yellowness ³ |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| <u>OVT</u> | | | | | | | | | |
| Dyna-Gro | DG 3519 B3XF | 2,012 | 4,560 | 44.1 | 1.27 | 85.9 | 34.0 | 3.2 | 7.0 |
| Armor | 9371 B3XF | 2,000 | 4,543 | 44.0 | 1.14 | 85.5 | 28.0 | 3.5 | 7.3 |
| PhytoGen | 1150B437-04 | 1,921 | 4,419 | 43.5 | 1.19 | 84.1 | 33.0 | 3.3 | 7.3 |
| PhytoGen | 1150B434-04 | 1,914 | 4,541 | 42.2 | 1.14 | 82.9 | 32.5 | 3.2 | 7.5 |
| PhytoGen | 1150B435-04 | 1,856 | 4,446 | 41.8 | 1.17 | 83.3 | 34.0 | 3.7 | 7.8 |
| Dyna-Gro | DG 3799 B3XF | 1,845 | 4,194 | 44.0 | 1.18 | 83.7 | 31.0 | 3.0 | 7.9 |
| Dyna-Gro | DG 3456 B2XF | 1,818 | 4,197 | 43.3 | 1.18 | 84.8 | 30.0 | 3.4 | 7.5 |
| Stoneville | ST 5091B3XF | 1,814 | 4,362 | 42.2 | 1.18 | 83.4 | 30.5 | 3.2 | 7.0 |
| Deltapine | DP 2115 B3XF | 1,789 | 4,104 | 43.6 | 1.16 | 84.7 | 28.5 | 3.6 | 7.5 |
| Dyna-Gro | DG 3615 B3XF | 1,789 | 4,018 | 44.5 | 1.20 | 83.1 | 30.5 | 3.0 | 7.8 |
| NEXGEN | NG 3195 B3XF | 1,778 | 4,116 | 43.2 | 1.16 | 85.0 | 31.5 | 3.9 | 7.5 |
| Dyna-Gro | DG H959 B3XF | 1,767 | 4,184 | 42.2 | 1.20 | 82.4 | 31.5 | 2.9 | 8.0 |
| PhytoGen | PHY 411 W3FE | 1,757 | 3,957 | 44.4 | 1.13 | 84.5 | 29.5 | 4.2 | 7.1 |
| PhytoGen | 1150B431-04 | 1,755 | 4,278 | 40.9 | 1.17 | 82.8 | 33.0 | 3.4 | 7.4 |
| Deltapine | DP 2127 B3XF | 1,715 | 4,028 | 42.6 | 1.11 | 84.9 | 28.0 | 3.5 | 7.5 |
| PhytoGen | 1140B373-04 | 1,706 | 3,966 | 43.0 | 1.16 | 84.9 | 30.5 | 3.5 | 7.5 |
| PhytoGen | 1130B333-04 | 1,680 | 4,018 | 41.8 | 1.18 | 85.7 | 32.5 | 3.2 | 7.6 |
| PhytoGen | 1130B336-04 | 1,660 | 3,966 | 41.9 | 1.16 | 86.0 | 31.5 | 3.6 | 7.4 |
| PhytoGen | PHY 400 W3FE | 1,650 | 3,747 | 44.0 | 1.18 | 84.4 | 32.0 | 3.5 | 7.4 |
| Deltapine | DP 2012 B3XF | 1,619 | 3,978 | 40.8 | 1.19 | 84.0 | 30.5 | 3.4 | 7.1 |
| Stoneville | ST 4595B3XF | 1,611 | 3,800 | 42.4 | 1.19 | 83.8 | 28.5 | 3.1 | 7.3 |
| Deltapine | DP 2141NR B3XF | 1,593 | 3,709 | 43.0 | 1.19 | 83.9 | 31.0 | 3.7 | 7.6 |
| Armor | 9831 B3XF | 1,588 | 3,670 | 43.2 | 1.15 | 82.5 | 29.5 | 3.3 | 7.0 |
| PhytoGen | PHY 360 W3FE | 1,569 | 3,722 | 42.1 | 1.17 | 83.6 | 29.5 | 3.8 | 6.7 |
| PhytoGen | PHY 443 W3FE | 1,554 | 3,701 | 42.0 | 1.15 | 85.0 | 30.5 | 3.7 | 7.7 |
| Dyna-Gro | DG 3511 B3XF | 1,547 | 3,601 | 42.9 | 1.15 | 84.9 | 31.0 | 3.7 | 8.0 |
| PhytoGen | PHY 332 W3FE | 1,547 | 3,773 | 41.1 | 1.21 | 85.2 | 32.0 | 3.2 | 8.0 |
| NEXGEN | NG 4190 B3XF | 1,534 | 3,669 | 41.8 | 1.17 | 84.7 | 30.0 | 3.3 | 6.9 |
| PhytoGen | 1150A450-04 | 1,523 | 3,530 | 43.1 | 1.14 | 84.4 | 31.5 | 3.5 | 7.6 |
| Deltapine | DP 1646 B2XF | 1,483 | 3,398 | 43.6 | 1.26 | 84.7 | 29.5 | 3.2 | 7.2 |
| Deltapine | DP 2038 B3XF | 1,477 | 3,275 | 45.1 | 1.14 | 83.7 | 29.0 | 3.1 | 7.3 |
| PhytoGen | PHY 415 W3FE | 1,438 | 3,490 | 41.2 | 1.20 | 84.6 | 32.5 | 3.5 | 7.7 |
| Stoneville | ST 4990B3XF | 1,399 | 3,652 | 38.2 | 1.20 | 85.8 | 29.0 | 4.0 | 6.7 |
| Deltapine | DP 2020 B3XF | 1,393 | 3,710 | 37.6 | 1.21 | 85.1 | 33.0 | 3.0 | 7.1 |
| Deltapine | DP 2055 B3XF | 1,360 | 3,234 | 42.1 | 1.22 | 83.4 | 29.0 | 3.0 | 7.3 |
| Stoneville | BX 2392B3XF | 1,343 | 3,253 | 41.3 | 1.17 | 84.1 | 28.5 | 2.9 | 6.9 |
| NEXGEN | NG 5150 B3XF | 1,342 | 3,397 | 39.4 | 1.19 | 83.2 | 30.0 | 2.8 | 7.1 |
| PhytoGen | PHY 545 W3FE | 1,313 | 2,974 | 44.1 | 1.14 | 84.3 | 30.5 | 3.4 | 7.5 |
| Dyna-Gro | DG 3528 B3XF | 1,305 | 3,224 | 40.5 | 1.19 | 84.5 | 28.0 | 2.8 | 7.1 |
| PhytoGen | 1140A385-04 | 1,281 | 3,016 | 42.5 | 1.13 | 84.4 | 30.5 | 2.9 | 7.7 |
| Stoneville | BX 2394B3XF | 1,209 | 3,018 | 40.0 | 1.18 | 83.7 | 30.5 | 3.2 | 7.5 |
| Stoneville | BX 2398B3XF | 1,133 | 2,710 | 41.8 | 1.19 | 83.8 | 28.5 | 3.6 | 7.2 |
| Stoneville | BX 2396B3XF | 1,005 | 2,539 | 39.5 | 1.17 | 81.9 | 28.0 | 2.6 | 7.0 |
| Average | | 1,596 | 3,770 | 42.3 | 1.18 | 84.2 | 30.5 | 3.3 | 7.4 |
| LSD at 10% Level | | 205 | 485 | 1.3 | 0.02 | 0.8 | 1.2 | 0.4 | 0.3 |
| Model R-square | | 0.77 | 0.74 | 0.99 | 0.94 | 0.94 | 0.87 | 0.87 | 0.94 |
| C.V. | | 14.08 | 14.09 | 2.38 | 1.45 | 0.67 | 2.91 | 9.25 | 2.89 |

Plains, Georgia:
Cotton Variety Performance, 2022, Irrigated (Continued)

| Company or | | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|-----------------------------|----------------|--------------|--------------|----------------------------|--------|------------|----------|------------|-------------------------|
| Brand Name | Variety | Yield | Yield | Lint ¹ | Length | Uniformity | Strength | Micronaire | Yellowness ³ |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Conventional strains | | | | | | | | | |
| UGA | GA 2017132 | 1,802 | 4,546 | 39.6 | 1.20 | 84.7 | 33.0 | 3.8 | 7.6 |
| SSG | UA 114 | 1,784 | 4,363 | 40.9 | 1.20 | 82.3 | 30.0 | 3.5 | 7.3 |
| SSG | UA 222 | 1,762 | 4,466 | 39.4 | 1.19 | 83.2 | 30.0 | 3.3 | 7.4 |
| UGA | GA 2018139 | 1,731 | 4,456 | 38.9 | 1.19 | 83.4 | 30.5 | 4.1 | 7.8 |
| Stoneville | ST 4990B3XF | 1,659 | 4,567 | 36.3 | 1.20 | 85.4 | 31.0 | 3.7 | 7.6 |
| UGA | GA 2016024 | 1,646 | 4,106 | 40.1 | 1.25 | 85.2 | 36.5 | 3.8 | 8.0 |
| UGA | GA 2017024 | 1,646 | 4,167 | 39.5 | 1.24 | 83.1 | 32.5 | 3.6 | 7.8 |
| UGA | GA 2017131 | 1,643 | 3,983 | 41.3 | 1.26 | 84.2 | 32.0 | 4.0 | 7.6 |
| Deltapine | DP 2333 B3SF | 1,636 | 4,107 | 39.9 | 1.18 | 83.2 | 29.5 | 3.4 | 7.7 |
| UGA | GA 2017136 | 1,635 | 4,016 | 40.7 | 1.20 | 84.3 | 33.0 | 4.1 | 7.5 |
| Deltapine | DP 1646 B2XF | 1,618 | 4,037 | 40.2 | 1.27 | 83.8 | 29.5 | 3.5 | 7.4 |
| UGA | GA 2017126 | 1,568 | 4,064 | 38.5 | 1.22 | 85.0 | 32.0 | 3.5 | 8.1 |
| UGA | GA 2019004 | 1,500 | 3,789 | 39.6 | 1.17 | 83.4 | 31.0 | 3.7 | 7.8 |
| Deltapine | DP 2349NR B3XF | 1,356 | 3,455 | 39.2 | 1.15 | 82.7 | 29.5 | 3.5 | 7.8 |
| Deltapine | 20R745NRB3XF | 1,159 | 3,068 | 37.8 | 1.17 | 81.8 | 30.5 | 2.8 | 8.4 |
| Average | | 1,610 | 4,079 | 39.5 | 1.20 | 83.7 | 31.4 | 3.6 | 7.7 |
| LSD at 10% Level | | 132 | 332 | NS | 0.03 | 1.0 | 2.0 | 0.4 | 0.3 |
| Model R-square | | 0.85 | 0.83 | 0.72 | 0.83 | 0.83 | 0.77 | 0.77 | 0.84 |
| C.V. | | 8.85 | 8.75 | 3.40 | 1.88 | 0.85 | 4.66 | 7.68 | 2.38 |

1. Determined using the table-top research gins.

2. Obtained from USDA classing office in Memphis, TN.

3. Color grade (+b).

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

Planted: June 1, 2022.

Harvested: November 7, 2022.

Soil Type: Greenville sandy clay loam.

Previous Crop:

Soil Test: 54 lb P₂O₅, and 221 lb K₂O/acre, and pH = 6.0.

Fertilization: Preplant: 15 lb N, 10 lb S, 40 lb P₂O₅, and 40 lb K₂O/acre. Sidedress: 90 lb N/acre.

Tillage: Conventional tillage.

Herbicide: Reflex, Liberty (pre-plant), Select, Envoke, Diuron, and MSMA .

Fungicide: None.

Irrigation: 7.1 inches.

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

Tifton, Georgia: Cotton Variety Performance, 2022, Irrigated

| Company or | | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|------------------|----------------|---------|-----------|----------------------------|--------|------------|----------|------------|-------------------------|
| Brand Name | Variety | Yield | Yield | Lint ¹ | Length | Uniformity | Strength | Micronaire | Yellowness ³ |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| OVT | | | | | | | | | |
| Dyna-Gro | DG 3799 B3XF | 1,622 | 3,847 | 42.4 | 1.15 | 81.4 | 31.6 | 4.3 | 9.2 |
| Dyna-Gro | DG 3615 B3XF | 1,582 | 3,745 | 42.3 | 1.14 | 81.5 | 31.6 | 4.3 | 9.3 |
| PhytoGen | 1150B431-04 | 1,580 | 4,102 | 38.2 | 1.14 | 79.5 | 31.0 | 4.3 | 8.1 |
| Armor | 9831 B3XF | 1,480 | 3,594 | 41.2 | 1.10 | 79.9 | 29.5 | 4.7 | 8.1 |
| PhytoGen | 1150B437-04 | 1,457 | 3,506 | 41.6 | 1.09 | 80.9 | 30.9 | 4.5 | 8.2 |
| Dyna-Gro | DG H959 B3XF | 1,430 | 3,493 | 41.0 | 1.15 | 81.1 | 30.6 | 4.6 | 9.4 |
| Deltapine | DP 2038 B3XF | 1,379 | 3,131 | 44.0 | 1.07 | 80.3 | 28.0 | 4.5 | 8.5 |
| Deltapine | DP 2127 B3XF | 1,364 | 3,361 | 40.8 | 1.10 | 82.0 | 29.0 | 4.9 | 8.5 |
| Dyna-Gro | DG 3519 B3XF | 1,343 | 3,265 | 41.3 | 1.17 | 81.8 | 32.1 | 4.2 | 8.5 |
| PhytoGen | 1150B434-04 | 1,335 | 3,399 | 39.0 | 1.11 | 81.2 | 31.6 | 4.3 | 8.2 |
| Dyna-Gro | DG 3511 B3XF | 1,306 | 3,117 | 42.2 | 1.18 | 80.1 | 30.6 | 4.6 | 9.0 |
| Stoneville | ST 5091B3XF | 1,304 | 3,146 | 41.5 | 1.10 | 80.3 | 28.9 | 4.4 | 8.4 |
| PhytoGen | PHY 545 W3FE | 1,272 | 3,148 | 41.1 | 1.07 | 80.8 | 29.5 | 4.5 | 8.6 |
| NEXGEN | NG 3195 B3XF | 1,264 | 3,138 | 40.3 | 1.07 | 80.4 | 29.0 | 4.5 | 8.4 |
| Stoneville | BX 2392B3XF | 1,254 | 3,084 | 40.2 | 1.13 | 81.8 | 29.0 | 4.2 | 8.4 |
| Stoneville | ST 4990B3XF | 1,253 | 3,254 | 38.8 | 1.13 | 81.3 | 28.9 | 4.3 | 7.7 |
| PhytoGen | 1150B435-04 | 1,249 | 3,240 | 38.1 | 1.10 | 80.7 | 31.5 | 4.4 | 8.6 |
| NEXGEN | NG 4190 B3XF | 1,248 | 3,217 | 38.8 | 1.13 | 81.9 | 29.5 | 4.3 | 8.2 |
| PhytoGen | 1140A385-04 | 1,244 | 3,161 | 39.7 | 1.09 | 82.5 | 30.4 | 4.5 | 9.0 |
| Dyna-Gro | DG 3456 B2XF | 1,241 | 3,050 | 41.2 | 1.09 | 80.8 | 27.5 | 4.5 | 8.7 |
| Armor | 9371 B3XF | 1,238 | 2,990 | 41.1 | 1.08 | 80.8 | 28.0 | 4.6 | 8.2 |
| Stoneville | BX 2394B3XF | 1,233 | 3,175 | 39.4 | 1.15 | 80.6 | 30.1 | 4.4 | 8.6 |
| Deltapine | DP 2012 B3XF | 1,233 | 3,168 | 39.4 | 1.16 | 81.7 | 30.9 | 4.4 | 8.7 |
| PhytoGen | 1140B373-04 | 1,231 | 3,141 | 39.3 | 1.11 | 81.5 | 30.4 | 4.3 | 8.6 |
| Dyna-Gro | DG 3528 B3XF | 1,230 | 3,237 | 38.0 | 1.15 | 82.1 | 29.5 | 4.1 | 8.1 |
| Stoneville | BX 2396B3XF | 1,214 | 3,028 | 39.7 | 1.13 | 82.0 | 28.5 | 4.2 | 8.6 |
| Deltapine | DP 1646 B2XF | 1,197 | 2,983 | 40.3 | 1.20 | 79.6 | 30.0 | 4.2 | 8.3 |
| PhytoGen | 1150A450-04 | 1,174 | 2,956 | 39.7 | 1.10 | 81.1 | 31.1 | 4.4 | 8.5 |
| NEXGEN | NG 5150 B3XF | 1,165 | 2,948 | 39.6 | 1.12 | 80.7 | 29.0 | 4.4 | 8.2 |
| Deltapine | DP 2020 B3XF | 1,158 | 2,953 | 39.3 | 1.15 | 81.3 | 31.0 | 4.6 | 8.6 |
| Stoneville | BX 2398B3XF | 1,151 | 2,931 | 38.9 | 1.15 | 81.4 | 29.0 | 4.7 | 8.2 |
| PhytoGen | PHY 360 W3FE | 1,149 | 3,054 | 37.3 | 1.10 | 80.6 | 28.0 | 4.3 | 8.1 |
| Deltapine | DP 2055 B3XF | 1,148 | 2,965 | 37.2 | 1.19 | 81.4 | 30.5 | 4.7 | 8.5 |
| PhytoGen | PHY 400 W3FE | 1,114 | 2,742 | 40.3 | 1.11 | 80.7 | 30.0 | 4.3 | 8.6 |
| Stoneville | ST 4595B3XF | 1,112 | 2,791 | 39.7 | 1.15 | 81.7 | 29.5 | 4.7 | 8.4 |
| PhytoGen | 1130B333-04 | 1,091 | 2,918 | 37.5 | 1.13 | 82.4 | 30.1 | 4.3 | 8.7 |
| PhytoGen | PHY 443 W3FE | 1,081 | 2,668 | 40.1 | 1.09 | 81.9 | 30.4 | 4.5 | 8.8 |
| PhytoGen | PHY 411 W3FE | 1,080 | 2,728 | 39.6 | 1.05 | 80.4 | 30.0 | 4.5 | 7.6 |
| PhytoGen | 1130B336-04 | 1,050 | 2,685 | 39.4 | 1.10 | 81.9 | 30.4 | 4.6 | 8.8 |
| PhytoGen | PHY 415 W3FE | 1,044 | 2,703 | 38.6 | 1.14 | 79.4 | 31.5 | 4.4 | 8.8 |
| Deltapine | DP 2141NR B3XF | 1,005 | 2,636 | 38.3 | 1.15 | 81.5 | 32.1 | 4.8 | 8.5 |
| PhytoGen | PHY 332 W3FE | 981 | 2,560 | 38.0 | 1.13 | 81.1 | 29.9 | 4.3 | 8.9 |
| Deltapine | DP 2115 B3XF | 978 | 2,425 | 40.7 | 1.13 | 81.7 | 28.5 | 4.7 | 8.8 |
| Average | | 1,247 | 3,119 | 40.0 | 1.12 | 81.1 | 30.0 | 4.4 | 8.5 |
| LSD at 10% Level | | 135 | 339 | 1.2 | 0.04 | 1.3 | 1.4 | 0.3 | 0.3 |
| Model R-square | | 0.90 | 0.90 | 0.94 | 0.69 | 0.77 | 0.86 | 0.82 | 0.95 |

Tifton, Georgia: Cotton Variety Performance, 2022, Irrigated (Continued)

| Company or | | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|-----------------------------|----------------|--------------|--------------|----------------------------|--------|------------|----------|------------|-------------------------|
| Brand Name | Variety | Yield | Yield | Lint ⁴ | Length | Uniformity | Strength | Micronaire | Yellowness ³ |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| Conventional strains | | | | | | | | | |
| Deltapine | DP 2333 B3SF | 1,973 | 4,176 | 47.3 | 1.10 | 81.5 | 29.5 | 4.8 | 7.4 |
| SSG | UA 114 | 1,852 | 4,311 | 43.0 | 1.10 | 81.5 | 29.5 | 4.2 | 7.7 |
| Deltapine | 20R745NRB3XF | 1,791 | 4,036 | 44.4 | 1.13 | 82.2 | 29.8 | 4.6 | 8.5 |
| Deltapine | DP 2349NR B3XF | 1,777 | 4,071 | 43.7 | 1.13 | 83.2 | 30.5 | 3.9 | 8.4 |
| SSG | UA 222 | 1,762 | 4,069 | 43.3 | 1.13 | 81.9 | 29.0 | 4.5 | 7.7 |
| Deltapine | DP 1646 B2XF | 1,635 | 3,796 | 43.1 | 1.22 | 81.2 | 28.5 | 3.6 | 8.3 |
| Stoneville | ST 4990B3XF | 1,532 | 3,873 | 39.6 | 1.12 | 82.0 | 29.5 | 4.1 | 7.6 |
| UGA | GA 2018139 | 1,452 | 3,531 | 41.1 | 1.15 | 85.5 | 29.5 | 4.9 | 7.8 |
| UGA | GA 2019004 | 1,433 | 3,275 | 43.7 | 1.15 | 81.9 | 31.0 | 4.3 | 7.9 |
| UGA | GA 2017136 | 1,431 | 3,519 | 40.6 | 1.14 | 83.1 | 33.0 | 4.5 | 7.9 |
| UGA | GA 2017131 | 1,402 | 3,261 | 43.0 | 1.21 | 83.7 | 32.5 | 4.2 | 7.8 |
| UGA | GA 2017024 | 1,395 | 3,316 | 42.1 | 1.21 | 84.9 | 32.0 | 4.7 | 8.0 |
| UGA | GA 2017132 | 1,372 | 3,181 | 43.1 | 1.24 | 84.9 | 32.5 | 3.9 | 7.5 |
| UGA | GA 2016024 | 1,331 | 3,193 | 41.6 | 1.15 | 82.8 | 32.0 | 4.6 | 8.1 |
| UGA | GA 2017126 | 1,330 | 3,313 | 40.1 | 1.16 | 82.7 | 31.0 | 4.0 | 7.9 |
| Average | | 1,564 | 3,661 | 42.6 | 1.16 | 82.9 | 30.7 | 4.3 | 7.9 |
| LSD at 10% Level | | 141 | 331 | 1.7 | 0.05 | 1.2 | 1.9 | 0.5 | 0.3 |
| Model R-square | | 0.86 | 0.81 | 0.82 | 1.00 | 1.00 | 0.98 | 1.00 | 1.00 |

1. Determined using the Micro-Gin located on the UGA Tifton Campus.

2. Obtained from USDA classing office in Memphis, TN.

3. Color grade (+b).

4. Determined using the table-top research gins.

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

OVT entries require tolerance to glyphosate and glufosinate herbicides.

Planted: May 3, 2022.

Harvested: September 27, 2022.

Soil Type: Tifton loamy sand.

Previous Crop: Peanut.

Soil Test: 23 lb P₂O₅, and 75 lb K₂O/acre, and pH = 6.0.

Fertilization: Preplant: 75 lb N, 10 lb S, 120 lb P₂O₅, and 110 lb K₂O/acre. Sidedress: 75 lb N, 35 lb K/acre.

Tillage: Conventional tillage.

Herbicide: Cotoran, Warrant, Reflex, and Select .

Fungicide: None.

Irrigation: 4.5 inches.

Rainfall (in):

Test conducted by K. Cawley, M. Cofield, D. Dunn, and W. Mosteller.

Bainbridge, Georgia: Cotton Variety Performance, 2022, Irrigated

| Company or Brand Name | Variety | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|--------------------------|----------------|------------------|------------------|----------------------------|------------------|-----------------|-------------------|---------------------|----------------------------------|
| | | Yield lb/acre | Yield lb/acre | Lint ¹ % | Length inches | Uniformity % | Strength g/tex | Micronaire units | Yellowness ³ grade |
| OVT | | | | | | | | | |
| Stoneville | BX 2394B3XF | 1,285 | 2,854 | 45.0 | 1.16 | 83.4 | 30.6 | 3.7 | 9.1 |
| NEXGEN | NG 4190 B3XF | 1,270 | 2,790 | 45.4 | 1.20 | 84.8 | 31.0 | 4.2 | 9.0 |
| Armor | 9371 B3XF | 1,240 | 2,613 | 47.2 | 1.15 | 84.1 | 28.9 | 4.2 | 8.2 |
| Deltapine | DP 2115 B3XF | 1,227 | 2,821 | 43.5 | 1.16 | 83.9 | 30.9 | 5.1 | 8.9 |
| PhytoGen | 1150B437-04 | 1,154 | 2,676 | 43.0 | 1.14 | 83.4 | 32.5 | 5.1 | 8.7 |
| NEXGEN | NG 5150 B3XF | 1,149 | 2,644 | 43.4 | 1.19 | 83.2 | 30.6 | 4.6 | 9.0 |
| PhytoGen | PHY 400 W3FE | 1,138 | 2,404 | 47.1 | 1.15 | 82.7 | 30.5 | 4.9 | 8.4 |
| Deltapine | DP 1646 B2XF | 1,130 | 2,578 | 43.8 | 1.23 | 84.8 | 30.9 | 4.6 | 8.3 |
| Dyna-Gro | DG 3799 B3XF | 1,125 | 2,424 | 45.7 | 1.15 | 83.2 | 31.1 | 4.6 | 9.5 |
| PhytoGen | 1130B333-04 | 1,124 | 2,560 | 44.0 | 1.17 | 85.7 | 33.6 | 4.8 | 8.9 |
| NEXGEN | NG 3195 B3XF | 1,113 | 2,475 | 45.1 | 1.17 | 83.9 | 31.5 | 4.7 | 8.1 |
| Deltapine | DP 2141NR B3XF | 1,096 | 2,517 | 43.6 | 1.14 | 82.2 | 31.0 | 4.9 | 8.8 |
| Stoneville | ST 4990B3XF | 1,095 | 2,629 | 41.6 | 1.22 | 84.5 | 32.5 | 4.6 | 7.8 |
| Dyna-Gro | DG 3511 B3XF | 1,094 | 2,379 | 46.1 | 1.18 | 84.5 | 33.6 | 4.9 | 9.2 |
| Deltapine | DP 2020 B3XF | 1,092 | 2,519 | 43.3 | 1.23 | 84.8 | 32.4 | 4.7 | 7.9 |
| Stoneville | BX 2392B3XF | 1,088 | 2,423 | 45.0 | 1.16 | 83.8 | 31.0 | 4.7 | 8.4 |
| Deltapine | DP 2055 B3XF | 1,062 | 2,483 | 42.9 | 1.23 | 84.7 | 31.0 | 4.7 | 8.7 |
| PhytoGen | 1150B431-04 | 1,048 | 2,338 | 44.9 | 1.12 | 83.8 | 33.0 | 5.1 | 8.2 |
| PhytoGen | 1150A450-04 | 1,039 | 2,303 | 45.0 | 1.15 | 84.1 | 31.0 | 4.5 | 9.6 |
| PhytoGen | PHY 411 W3FE | 1,038 | 2,402 | 43.0 | 1.10 | 83.9 | 31.5 | 4.9 | 7.9 |
| Armor | 9831 B3XF | 1,026 | 2,248 | 45.8 | 1.19 | 84.3 | 34.0 | 5.1 | 9.0 |
| PhytoGen | 1150B435-04 | 1,026 | 2,417 | 42.6 | 1.12 | 82.4 | 33.0 | 4.8 | 9.2 |
| Stoneville | BX 2398B3XF | 1,021 | 2,349 | 43.6 | 1.20 | 83.7 | 29.5 | 5.1 | 8.9 |
| PhytoGen | 1140A385-04 | 999 | 2,172 | 46.1 | 1.14 | 85.3 | 33.0 | 4.7 | 9.5 |
| Dyna-Gro | DG 3456 B2XF | 991 | 2,334 | 42.0 | 1.12 | 81.9 | 28.0 | 4.6 | 9.3 |
| PhytoGen | PHY 360 W3FE | 987 | 2,180 | 45.1 | 1.10 | 82.2 | 27.6 | 4.5 | 7.7 |
| PhytoGen | PHY 545 W3FE | 986 | 2,065 | 48.2 | 1.12 | 83.5 | 30.5 | 4.7 | 7.9 |
| Deltapine | DP 2038 B3XF | 983 | 1,912 | 50.8 | 1.13 | 82.6 | 30.0 | 4.8 | 8.1 |
| PhytoGen | 1140B373-04 | 971 | 2,113 | 45.8 | 1.16 | 84.8 | 34.0 | 4.7 | 9.1 |
| Stoneville | ST 4595B3XF | 970 | 2,093 | 46.3 | 1.18 | 84.1 | 31.9 | 5.1 | 8.3 |
| PhytoGen | PHY 415 W3FE | 962 | 2,265 | 42.9 | 1.21 | 84.2 | 35.0 | 4.6 | 9.2 |
| Dyna-Gro | DG 3615 B3XF | 959 | 2,197 | 43.6 | 1.13 | 83.6 | 30.4 | 4.9 | 9.3 |
| PhytoGen | 1130B336-04 | 957 | 2,127 | 44.8 | 1.15 | 84.4 | 32.5 | 4.9 | 9.0 |
| Dyna-Gro | DG 3519 B3XF | 945 | 2,436 | 39.0 | 1.19 | 84.4 | 31.4 | 5.1 | 8.5 |
| Deltapine | DP 2012 B3XF | 945 | 2,213 | 42.9 | 1.20 | 83.8 | 31.6 | 4.9 | 8.1 |
| PhytoGen | PHY 443 W3FE | 929 | 2,119 | 43.8 | 1.16 | 84.7 | 33.0 | 4.9 | 8.8 |
| Dyna-Gro | DG H959 B3XF | 928 | 2,204 | 42.0 | 1.17 | 83.0 | 32.0 | 4.3 | 9.1 |
| Deltapine | DP 2127 B3XF | 903 | 2,152 | 42.4 | 1.15 | 84.2 | 30.9 | 4.9 | 7.7 |
| PhytoGen | 1150B434-04 | 901 | 2,061 | 43.7 | 1.14 | 84.0 | 32.5 | 5.1 | 8.6 |
| Dyna-Gro | DG 3528 B3XF | 892 | 2,121 | 41.9 | 1.18 | 84.1 | 30.5 | 4.4 | 8.3 |
| PhytoGen | PHY 332 W3FE | 883 | 1,976 | 44.6 | 1.20 | 83.3 | 34.1 | 4.6 | 9.5 |
| Stoneville | BX 2396B3XF | 880 | 1,918 | 46.0 | 1.22 | 84.7 | 29.5 | 5.1 | 8.7 |
| Stoneville | ST 5091B3XF | 815 | 1,862 | 43.5 | 1.14 | 82.5 | 27.5 | 4.5 | 8.7 |
| Average | | 1,036 | 2,336 | 44.4 | 1.17 | 83.8 | 31.4 | 4.7 | 8.7 |
| LSD at 10% Level | | NS | NS | 3.5 | 0.03 | 1.0 | 2.0 | 0.4 | 0.7 |
| Model R-square | | 0.85 | 0.85 | 0.91 | 0.94 | 0.90 | 0.86 | 0.70 | 0.99 |
| C.V. | | 18.32 | 18.50 | 6.12 | 1.64 | 0.87 | 4.80 | 5.78 | 5.96 |

Bainbridge, Georgia:
Cotton Variety Performance, 2022, Irrigated (Continued)

1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 17, 2022.

Harvested:

Soil Type: Lucy or Blanton loamy sand.

Previous Crop:

Soil Test:

Fertilization:

Tillage: Conventional tillage.

Herbicide:

Fungicide:

Irrigation:

Rainfall (in):

Test conducted by K. Cawley, M. Cofield, D. Dunn, and W. Mosteller.

Midville, Georgia: Cotton Variety Performance, 2022, Dryland

| Company or Brand Name | Variety | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|--------------------------|----------------|------------------|------------------|----------------------------|------------------|-----------------|-------------------|---------------------|----------------------------------|
| | | Yield lb/acre | Yield lb/acre | Lint ¹ % | Length inches | Uniformity % | Strength g/tex | Micronaire units | Yellowness ³ grade |
| OVT | | | | | | | | | |
| Dyna-Gro | DG 3615 B3XF | 1,999 | 4,612 | 43.9 | 1.20 | 84.1 | 33.5 | 4.4 | 8.7 |
| Armor | 9831 B3XF | 1,991 | 4,672 | 43.4 | 1.16 | 83.3 | 31.0 | 5.1 | 7.8 |
| PhytoGen | 1140A385-04 | 1,982 | 3,865 | 51.3 | 1.11 | 84.2 | 33.5 | 4.7 | 8.4 |
| Dyna-Gro | DG 3528 B3XF | 1,915 | 4,241 | 45.0 | 1.18 | 84.6 | 29.0 | 4.4 | 7.7 |
| Dyna-Gro | DG H959 B3XF | 1,900 | 4,656 | 41.1 | 1.22 | 84.1 | 33.5 | 4.7 | 8.3 |
| Stoneville | BX 2396B3XF | 1,893 | 4,352 | 43.0 | 1.14 | 83.1 | 28.5 | 4.7 | 8.6 |
| Deltapine | DP 2038 B3XF | 1,885 | 4,068 | 47.1 | 1.10 | 80.8 | 29.5 | 4.6 | 8.3 |
| Dyna-Gro | DG 3799 B3XF | 1,875 | 4,675 | 41.0 | 1.19 | 83.2 | 32.0 | 4.5 | 8.6 |
| NEXGEN | NG 5150 B3XF | 1,835 | 4,087 | 45.2 | 1.18 | 82.9 | 30.5 | 4.3 | 7.8 |
| NEXGEN | NG 4190 B3XF | 1,828 | 4,141 | 43.7 | 1.18 | 85.1 | 30.0 | 4.1 | 7.8 |
| NEXGEN | NG 3195 B3XF | 1,826 | 4,095 | 45.5 | 1.12 | 82.4 | 29.5 | 4.3 | 8.1 |
| Stoneville | BX 2394B3XF | 1,818 | 4,120 | 44.3 | 1.17 | 83.1 | 30.0 | 4.4 | 8.1 |
| Deltapine | DP 2127 B3XF | 1,816 | 4,234 | 42.0 | 1.12 | 84.3 | 30.0 | 4.9 | 7.9 |
| Deltapine | DP 1646 B2XF | 1,795 | 3,976 | 45.1 | 1.21 | 82.9 | 29.0 | 4.6 | 7.7 |
| Armor | 9371 B3XF | 1,785 | 4,100 | 42.8 | 1.15 | 84.0 | 29.5 | 4.5 | 7.6 |
| Stoneville | ST 5091B3XF | 1,775 | 3,745 | 48.0 | 1.15 | 81.5 | 29.0 | 4.0 | 7.7 |
| Deltapine | DP 2115 B3XF | 1,770 | 3,536 | 49.8 | 1.16 | 82.7 | 31.5 | 4.7 | 7.6 |
| PhytoGen | PHY 443 W3FE | 1,744 | 3,866 | 45.3 | 1.13 | 83.0 | 32.5 | 4.8 | 8.5 |
| Stoneville | BX 2392B3XF | 1,733 | 3,898 | 43.7 | 1.16 | 83.5 | 29.0 | 4.7 | 7.9 |
| Deltapine | DP 2055 B3XF | 1,732 | 3,901 | 43.9 | 1.22 | 83.4 | 29.5 | 4.8 | 7.6 |
| Dyna-Gro | DG 3456 B2XF | 1,722 | 3,746 | 45.6 | 1.11 | 81.8 | 29.0 | 4.3 | 8.2 |
| PhytoGen | 1150B437-04 | 1,696 | 4,178 | 41.5 | 1.12 | 83.0 | 32.0 | 4.7 | 8.2 |
| PhytoGen | 1140B373-04 | 1,695 | 4,052 | 41.8 | 1.16 | 84.5 | 32.5 | 4.6 | 7.7 |
| PhytoGen | 1130B333-04 | 1,689 | 4,190 | 40.3 | 1.17 | 84.8 | 34.0 | 4.5 | 8.2 |
| PhytoGen | 1150B435-04 | 1,683 | 4,036 | 41.0 | 1.15 | 83.6 | 32.5 | 4.6 | 8.3 |
| Deltapine | DP 2020 B3XF | 1,677 | 4,287 | 37.6 | 1.18 | 84.4 | 30.5 | 4.6 | 8.2 |
| Deltapine | DP 2012 B3XF | 1,669 | 4,252 | 39.8 | 1.15 | 82.7 | 30.5 | 4.5 | 8.1 |
| Dyna-Gro | DG 3519 B3XF | 1,642 | 3,856 | 44.4 | 1.23 | 84.5 | 33.0 | 4.4 | 7.5 |
| PhytoGen | 1150B434-04 | 1,639 | 4,160 | 37.9 | 1.11 | 82.6 | 33.0 | 4.5 | 8.1 |
| PhytoGen | PHY 415 W3FE | 1,629 | 4,113 | 41.0 | 1.18 | 84.8 | 33.5 | 4.6 | 8.3 |
| PhytoGen | 1150A450-04 | 1,627 | 4,040 | 40.2 | 1.13 | 83.9 | 31.5 | 4.7 | 8.2 |
| PhytoGen | PHY 545 W3FE | 1,624 | 3,690 | 44.5 | 1.12 | 83.4 | 32.0 | 4.4 | 8.4 |
| PhytoGen | PHY 411 W3FE | 1,620 | 3,936 | 42.0 | 1.10 | 82.9 | 31.5 | 4.9 | 7.1 |
| Stoneville | ST 4595B3XF | 1,616 | 4,069 | 40.0 | 1.18 | 83.8 | 30.5 | 4.6 | 8.0 |
| Stoneville | BX 2398B3XF | 1,610 | 3,973 | 40.2 | 1.20 | 83.3 | 29.5 | 4.7 | 8.3 |
| PhytoGen | 1150B431-04 | 1,579 | 4,106 | 37.9 | 1.14 | 83.8 | 34.0 | 4.6 | 8.2 |
| Dyna-Gro | DG 3511 B3XF | 1,554 | 3,702 | 41.6 | 1.18 | 84.9 | 34.0 | 4.6 | 8.6 |
| PhytoGen | PHY 400 W3FE | 1,538 | 3,685 | 40.9 | 1.18 | 83.3 | 33.0 | 4.3 | 7.8 |
| PhytoGen | PHY 360 W3FE | 1,480 | 3,333 | 44.6 | 1.15 | 81.2 | 29.5 | 4.2 | 7.8 |
| Stoneville | ST 4990B3XF | 1,450 | 3,822 | 39.2 | 1.17 | 83.1 | 29.0 | 4.7 | 7.5 |
| PhytoGen | 1130B336-04 | 1,440 | 3,945 | 36.1 | 1.16 | 84.6 | 34.5 | 4.3 | 7.9 |
| PhytoGen | PHY 332 W3FE | 1,408 | 3,541 | 39.7 | 1.21 | 83.7 | 33.0 | 4.3 | 8.7 |
| Deltapine | DP 2141NR B3XF | 1,349 | 3,497 | 39.3 | 1.19 | 83.8 | 33.5 | 4.7 | 8.5 |
| Average | | 1,714 | 4,039 | 42.6 | 1.16 | 83.4 | 31.3 | 4.5 | 8.1 |
| LSD at 10% Level | | 136 | 312 | 4.7 | 0.03 | 0.9 | 1.4 | 0.3 | 0.4 |
| Model R-square | | 0.80 | 0.76 | 0.94 | 0.82 | 0.82 | 0.85 | 0.65 | 0.81 |
| C.V. | | 8.70 | 8.46 | 8.37 | 2.00 | 0.80 | 3.41 | 4.93 | 3.32 |

Midville, Georgia: Cotton Variety Performance, 2022, Dryland (Continued)

1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 19, 2022.

Harvested:

Soil Type: Dothan sandy loam.

Previous Crop:

Soil Test: 23 lb P_2O_5 , and 75 lb K_2O /acre, and pH = 5.9.

Fertilization: Preplant: 48 lb N, 24 lb S, 69 lb P_2O_5 , and 90 lb K_2O /acre. Sidedress: 80 lb N/acre.

Tillage: Conventional tillage.

Herbicide: Diuron, Reflex, MSMA, Staple, Envoke, and Select.

Fungicide: Headline.

Irrigation: 4.1 inches.

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

Plains, Georgia: Cotton Variety Performance, 2022, Dryland

| Company or Brand Name | Variety | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|--------------------------|----------------|------------------|------------------|----------------------------|------------------|-----------------|-------------------|---------------------|----------------------------------|
| | | Yield lb/acre | Yield lb/acre | Lint ¹ % | Length inches | Uniformity % | Strength g/tex | Micronaire units | Yellowness ³ grade |
| OVT | | | | | | | | | |
| Dyna-Gro | DG 3519 B3XF | 2,287 | 5,199 | 43.7 | 1.25 | 86.2 | 33.5 | 4.0 | 7.2 |
| PhytoGen | 1150B437-04 | 2,092 | 4,990 | 41.9 | 1.16 | 84.1 | 34.5 | 3.5 | 7.5 |
| Armor | 9371 B3XF | 2,090 | 4,946 | 42.2 | 1.14 | 83.5 | 28.9 | 3.8 | 7.4 |
| Dyna-Gro | DG 3511 B3XF | 2,032 | 4,608 | 44.3 | 1.15 | 85.3 | 31.9 | 4.6 | 8.1 |
| Dyna-Gro | DG 3615 B3XF | 2,026 | 4,545 | 44.2 | 1.16 | 84.3 | 30.9 | 3.6 | 8.2 |
| PhytoGen | 1150B434-04 | 1,993 | 4,813 | 40.8 | 1.16 | 83.7 | 34.0 | 3.5 | 7.3 |
| PhytoGen | 1150B431-04 | 1,968 | 4,695 | 41.8 | 1.16 | 84.3 | 31.9 | 3.1 | 6.9 |
| Stoneville | ST 5091B3XF | 1,944 | 4,633 | 41.1 | 1.17 | 83.7 | 30.5 | 3.3 | 6.9 |
| Deltapine | DP 2038 B3XF | 1,932 | 4,253 | 45.3 | 1.13 | 83.0 | 29.0 | 3.7 | 7.4 |
| Deltapine | DP 2127 B3XF | 1,911 | 4,374 | 43.9 | 1.14 | 85.4 | 29.5 | 4.0 | 7.7 |
| Dyna-Gro | DG 3799 B3XF | 1,909 | 4,399 | 43.5 | 1.18 | 82.7 | 32.5 | 3.2 | 7.9 |
| PhytoGen | 1140B373-04 | 1,894 | 4,507 | 41.7 | 1.14 | 85.3 | 31.0 | 3.8 | 7.7 |
| PhytoGen | 1130B333-04 | 1,893 | 4,592 | 41.1 | 1.17 | 85.1 | 32.0 | 3.6 | 7.5 |
| PhytoGen | 1130B336-04 | 1,854 | 4,273 | 43.0 | 1.18 | 86.4 | 32.0 | 3.9 | 7.7 |
| Deltapine | DP 2141NR B3XF | 1,850 | 4,326 | 43.1 | 1.17 | 84.7 | 33.0 | 4.3 | 7.5 |
| Deltapine | DP 2012 B3XF | 1,837 | 4,441 | 41.7 | 1.20 | 84.1 | 32.0 | 4.1 | 5.3 |
| PhytoGen | PHY 411 W3FE | 1,831 | 4,166 | 44.2 | 1.11 | 84.3 | 30.0 | 4.1 | 7.1 |
| NEXGEN | NG 4190 B3XF | 1,829 | 4,403 | 41.4 | 1.17 | 83.9 | 29.0 | 3.4 | 7.1 |
| Armor | 9831 B3XF | 1,825 | 4,254 | 43.0 | 1.18 | 83.9 | 30.5 | 3.8 | 7.4 |
| NEXGEN | NG 5150 B3XF | 1,821 | 4,381 | 42.1 | 1.19 | 84.1 | 30.5 | 3.8 | 7.6 |
| PhytoGen | PHY 443 W3FE | 1,803 | 4,272 | 42.2 | 1.12 | 84.5 | 31.9 | 4.0 | 7.9 |
| PhytoGen | 1150B435-04 | 1,796 | 4,376 | 41.0 | 1.15 | 83.3 | 34.0 | 3.4 | 7.4 |
| PhytoGen | 1150A450-04 | 1,795 | 4,206 | 43.1 | 1.13 | 83.5 | 31.5 | 4.1 | 7.8 |
| Dyna-Gro | DG H959 B3XF | 1,760 | 4,245 | 41.8 | 1.21 | 83.0 | 31.5 | 3.5 | 7.9 |
| PhytoGen | PHY 400 W3FE | 1,756 | 4,089 | 43.2 | 1.19 | 83.9 | 32.5 | 3.4 | 7.6 |
| Deltapine | DP 2115 B3XF | 1,753 | 4,074 | 42.6 | 1.17 | 84.2 | 29.0 | 4.0 | 7.7 |
| Dyna-Gro | DG 3528 B3XF | 1,748 | 4,142 | 42.2 | 1.19 | 84.3 | 29.5 | 3.5 | 7.2 |
| PhytoGen | PHY 415 W3FE | 1,735 | 4,226 | 41.1 | 1.21 | 86.2 | 34.0 | 4.0 | 8.2 |
| Dyna-Gro | DG 3456 B2XF | 1,722 | 3,945 | 43.4 | 1.17 | 83.9 | 30.5 | 3.7 | 7.5 |
| Stoneville | ST 4990B3XF | 1,722 | 4,417 | 38.4 | 1.22 | 85.9 | 30.5 | 4.0 | 6.7 |
| PhytoGen | PHY 360 W3FE | 1,714 | 4,196 | 41.0 | 1.14 | 83.1 | 29.0 | 3.8 | 6.8 |
| NEXGEN | NG 3195 B3XF | 1,713 | 4,075 | 42.3 | 1.14 | 84.2 | 31.5 | 4.3 | 7.1 |
| PhytoGen | PHY 332 W3FE | 1,697 | 4,209 | 40.5 | 1.21 | 84.7 | 31.5 | 4.1 | 7.8 |
| Deltapine | DP 2055 B3XF | 1,674 | 3,922 | 42.8 | 1.22 | 82.6 | 30.0 | 3.4 | 7.5 |
| Stoneville | BX 2392B3XF | 1,663 | 4,084 | 40.9 | 1.17 | 84.0 | 29.0 | 3.2 | 7.0 |
| PhytoGen | 1140A385-04 | 1,654 | 3,777 | 43.7 | 1.16 | 86.1 | 33.5 | 3.4 | 7.9 |
| Stoneville | ST 4595B3XF | 1,614 | 3,864 | 41.8 | 1.18 | 83.9 | 29.0 | 3.5 | 7.5 |
| Stoneville | BX 2394B3XF | 1,591 | 4,001 | 40.4 | 1.17 | 83.0 | 30.0 | 3.1 | 7.3 |
| Deltapine | DP 2020 B3XF | 1,566 | 3,898 | 40.1 | 1.21 | 84.8 | 31.0 | 3.8 | 7.4 |
| Deltapine | DP 1646 B2XF | 1,543 | 3,525 | 43.9 | 1.27 | 84.5 | 28.5 | 3.8 | 6.9 |
| PhytoGen | PHY 545 W3FE | 1,518 | 3,479 | 44.0 | 1.13 | 83.9 | 30.0 | 4.1 | 7.4 |
| Stoneville | BX 2398B3XF | 1,502 | 3,627 | 40.8 | 1.16 | 83.8 | 30.0 | 3.7 | 7.4 |
| Stoneville | BX 2396B3XF | 1,391 | 3,365 | 41.6 | 1.18 | 83.7 | 27.5 | 3.8 | 7.3 |
| Average | | 1,799 | 4,255 | 42.3 | 1.17 | 84.2 | 31.0 | 3.7 | 7.4 |
| LSD at 10% Level | | 167 | 394 | 1.2 | 0.01 | 1.0 | 1.0 | 0.4 | 0.7 |
| Model R-square | | 0.74 | 0.72 | 0.93 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| C.V. | | 10.15 | 10.15 | 2.19 | 0.96 | 0.86 | 2.46 | 7.04 | 6.90 |

Plains, Georgia: Cotton Variety Performance, 2022, Dryland (Continued)

1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: June 1, 2022.

Harvested: November 7, 2022.

Soil Type: Greenville sandy clay loam.

Previous Crop:

Soil Test: 54 lb P_2O_5 , and 221 lb K_2O /acre, and pH = 6.0.

Fertilization: Preplant: 15 lb N, 10 lb S, 40 lb P_2O_5 , and 40 lb K_2O /acre. Sidedress: 90 lb N/acre.

Tillage: Conventional tillage.

Herbicide: Reflex, Liberty (pre-plant), Select, Envoke, Diuron, and MSMA .

Fungicide: None.

Irrigation: 7.1 inches.

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

Tifton, Georgia: Cotton Variety Performance, 2022, Dryland

| Company or | | Lint | Seed Cot. | Fiber Quality ² | | | | | |
|------------------|----------------|---------|-----------|----------------------------|--------|------------|----------|------------|-------------------------|
| Brand Name | Variety | Yield | Yield | Lint ¹ | Length | Uniformity | Strength | Micronaire | Yellowness ³ |
| | | lb/acre | lb/acre | % | inches | % | g/tex | units | grade |
| OVT | | | | | | | | | |
| PhytoGen | 1150B435-04 | 1,599 | 3,679 | 43.6 | 1.08 | 81.6 | 29.8 | 4.8 | 8.3 |
| PhytoGen | 1150B437-04 | 1,487 | 3,410 | 43.7 | 1.11 | 81.5 | 33.3 | 4.8 | 8.1 |
| Deltapine | DP 2038 B3XF | 1,440 | 2,978 | 48.5 | 1.05 | 79.6 | 28.9 | 4.6 | 8.6 |
| Dyna-Gro | DG 3615 B3XF | 1,345 | 3,025 | 44.3 | 1.13 | 80.6 | 30.2 | 4.5 | 9.0 |
| Dyna-Gro | DG H959 B3XF | 1,335 | 3,123 | 42.8 | 1.18 | 81.6 | 32.2 | 4.5 | 9.1 |
| Deltapine | DP 2127 B3XF | 1,301 | 2,947 | 44.0 | 1.09 | 81.9 | 29.9 | 4.9 | 8.3 |
| Dyna-Gro | DG 3799 B3XF | 1,290 | 2,933 | 43.8 | 1.14 | 81.1 | 30.6 | 4.7 | 9.1 |
| Dyna-Gro | DG 3511 B3XF | 1,281 | 2,871 | 45.1 | 1.10 | 81.5 | 30.7 | 5.0 | 8.8 |
| PhytoGen | PHY 415 W3FE | 1,239 | 2,834 | 43.9 | 1.11 | 81.0 | 29.4 | 4.3 | 8.3 |
| Stoneville | ST 5091B3XF | 1,204 | 2,929 | 40.9 | 1.09 | 80.2 | 27.3 | 3.9 | 8.4 |
| PhytoGen | 1140A385-04 | 1,196 | 2,667 | 44.7 | 1.08 | 82.8 | 30.3 | 4.8 | 8.7 |
| PhytoGen | 1150A450-04 | 1,176 | 2,886 | 40.8 | 1.08 | 80.8 | 29.8 | 4.5 | 8.4 |
| NEXGEN | NG 3195 B3XF | 1,170 | 2,718 | 43.6 | 1.05 | 79.8 | 27.3 | 4.8 | 8.0 |
| Stoneville | BX 2394B3XF | 1,167 | 2,724 | 42.8 | 1.15 | 82.1 | 29.5 | 4.2 | 8.4 |
| Dyna-Gro | DG 3456 B2XF | 1,166 | 2,586 | 45.3 | 1.10 | 80.1 | 29.3 | 4.7 | 8.9 |
| Deltapine | DP 2012 B3XF | 1,158 | 2,696 | 42.8 | 1.13 | 80.1 | 30.0 | 4.5 | 8.2 |
| PhytoGen | PHY 545 W3FE | 1,137 | 2,602 | 44.1 | 1.11 | 82.5 | 31.2 | 4.4 | 8.9 |
| PhytoGen | 1130B336-04 | 1,135 | 2,633 | 43.2 | 1.07 | 81.8 | 29.1 | 4.4 | 8.5 |
| Stoneville | BX 2392B3XF | 1,135 | 2,535 | 44.6 | 1.11 | 80.1 | 29.2 | 4.2 | 8.2 |
| PhytoGen | PHY 411 W3FE | 1,113 | 2,544 | 43.7 | 1.09 | 80.7 | 30.6 | 4.4 | 8.1 |
| NEXGEN | NG 5150 B3XF | 1,106 | 2,528 | 43.6 | 1.13 | 80.8 | 30.5 | 4.7 | 8.1 |
| Stoneville | BX 2398B3XF | 1,101 | 2,644 | 41.5 | 1.16 | 81.3 | 28.6 | 4.8 | 8.4 |
| PhytoGen | 1150B434-04 | 1,081 | 2,458 | 44.1 | 1.10 | 82.1 | 32.9 | 4.9 | 8.0 |
| PhytoGen | PHY 332 W3FE | 1,068 | 2,594 | 41.0 | 1.13 | 81.0 | 30.5 | 4.4 | 8.6 |
| Deltapine | DP 2115 B3XF | 1,050 | 2,475 | 42.8 | 1.08 | 80.0 | 27.5 | 4.7 | 8.5 |
| PhytoGen | 1150B431-04 | 1,043 | 2,451 | 42.5 | 1.08 | 80.5 | 31.5 | 4.5 | 8.4 |
| Stoneville | ST 4990B3XF | 1,042 | 2,691 | 38.5 | 1.14 | 81.0 | 29.0 | 4.1 | 7.5 |
| PhytoGen | PHY 400 W3FE | 1,040 | 2,430 | 42.7 | 1.09 | 80.0 | 27.9 | 3.7 | 8.1 |
| Deltapine | DP 1646 B2XF | 1,038 | 2,475 | 41.7 | 1.16 | 80.2 | 29.7 | 4.1 | 8.0 |
| PhytoGen | PHY 443 W3FE | 1,036 | 2,466 | 42.2 | 1.07 | 81.1 | 29.9 | 4.5 | 8.8 |
| Stoneville | ST 4595B3XF | 1,034 | 2,283 | 45.1 | 1.13 | 81.2 | 30.2 | 4.7 | 8.1 |
| Armor | 9371 B3XF | 1,020 | 2,407 | 42.8 | 1.10 | 81.1 | 27.9 | 4.4 | 8.0 |
| Dyna-Gro | DG 3528 B3XF | 1,007 | 2,405 | 41.7 | 1.15 | 81.8 | 29.3 | 4.0 | 8.1 |
| Dyna-Gro | DG 3519 B3XF | 1,005 | 2,223 | 45.1 | 1.22 | 84.9 | 33.6 | 4.4 | 7.6 |
| NEXGEN | NG 4190 B3XF | 993 | 2,396 | 41.4 | 1.14 | 81.9 | 29.6 | 4.6 | 7.9 |
| PhytoGen | PHY 360 W3FE | 985 | 2,353 | 41.9 | 1.09 | 80.5 | 28.3 | 4.1 | 7.6 |
| Stoneville | BX 2396B3XF | 980 | 2,230 | 43.9 | 1.12 | 79.7 | 28.0 | 4.7 | 8.6 |
| PhytoGen | 1140B373-04 | 968 | 2,313 | 41.7 | 1.07 | 80.2 | 29.2 | 4.2 | 8.3 |
| Deltapine | DP 2141NR B3XF | 951 | 2,195 | 43.1 | 1.13 | 81.5 | 31.3 | 4.7 | 8.9 |
| Armor | 9831 B3XF | 948 | 2,122 | 44.6 | 1.10 | 81.2 | 29.6 | 4.5 | 8.1 |
| Deltapine | DP 2055 B3XF | 907 | 2,024 | 44.5 | 1.25 | 82.9 | 32.3 | 4.2 | 8.4 |
| PhytoGen | 1130B333-04 | 903 | 2,141 | 42.4 | 1.14 | 84.1 | 33.4 | 4.2 | 8.5 |
| Deltapine | DP 2020 B3XF | 887 | 2,083 | 42.5 | 1.14 | 81.6 | 29.6 | 4.5 | 8.6 |
| Average | | 1,126 | 2,606 | 43.2 | 1.12 | 81.2 | 30.0 | 4.5 | 8.4 |
| LSD at 10% Level | | 227 | 524 | 1.9 | 0.04 | NS | 1.8 | 0.4 | 0.4 |
| Model R-square | | 0.79 | 0.79 | 0.99 | 1.00 | 1.00 | 0.98 | 0.99 | 0.99 |
| C.V. | | 22.10 | 22.01 | 3.36 | 2.62 | 1.55 | 4.46 | 6.64 | 3.90 |

Tifton, Georgia:
Cotton Variety Performance, 2022, Dryland (Continued)

1. Determined using the table-top research gins.
2. Obtained from USDA classing office in Memphis, TN.
3. Color grade (+b).

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

Planted: May 4, 2022.

Harvested: September 27, 2022.

Soil Type: Tifton loamy sand.

Previous Crop: Cotton.

Soil Test: 33 lb P_2O_5 , and 88 lb K_2O /acre, and pH = 6.5.

Fertilization: Preplant: 75 lb N, 10 lb S, 100 lb P_2O_5 , and 100 lb K_2O /acre. Sidedress: 75 lb N, 35 lb K/acre.

Tillage: Conventional tillage.

Herbicide: Cotoran, Warrant, Reflex, and Select .

Fungicide: None.

Rainfall (in):

Test conducted by K. Cawley, M. Cofield, D. Dunn, and W. Mosteller.

Cooperators

A. Black, Southeast Research & Education Center, Midville, Georgia
A. Carter, Tifton campus, Tifton, Georgia
P. Knox, Crop and Soil Sciences Department, Athens, Georgia
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Contributors

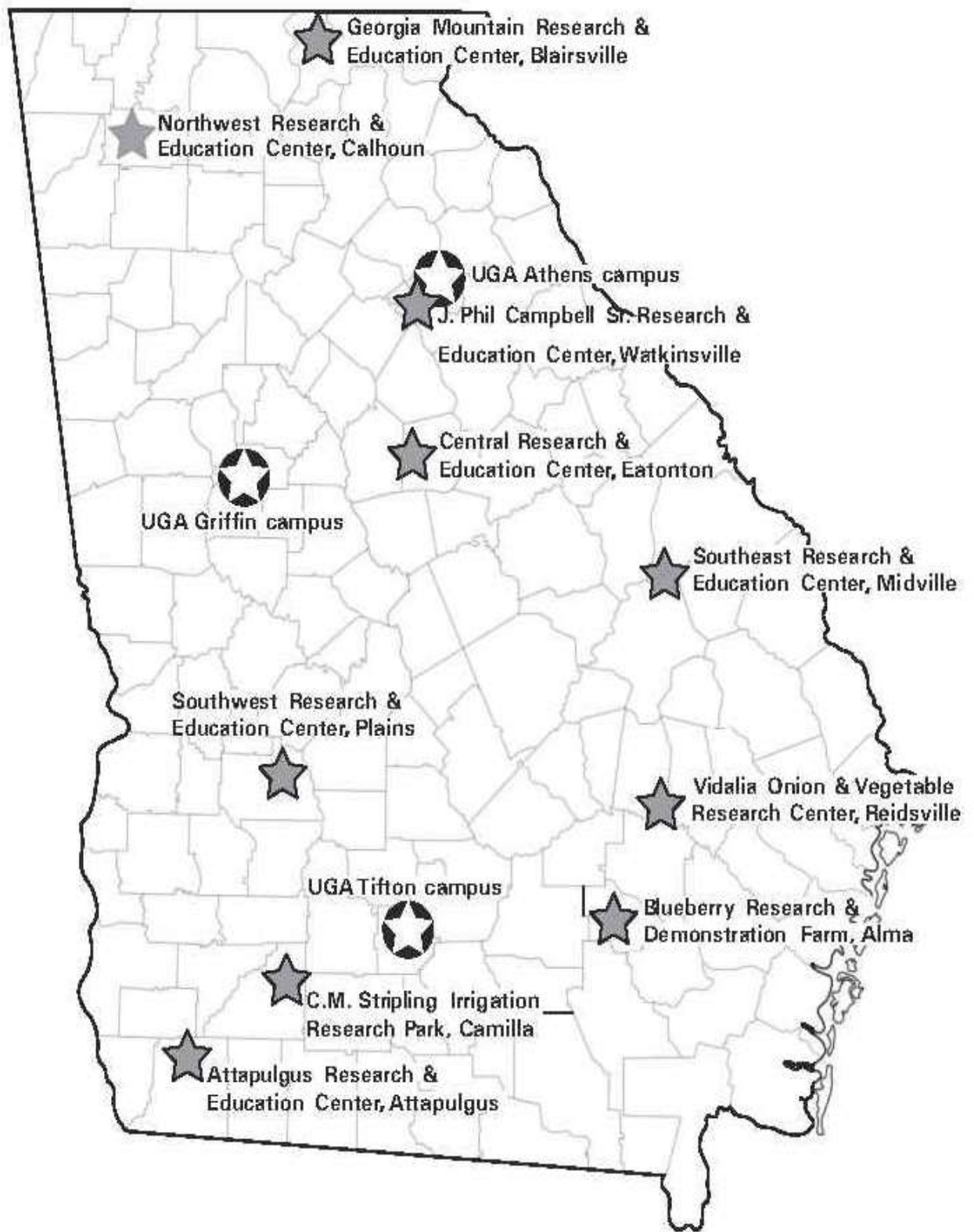
The following individuals contributed to the gathering of data and preparation of this report:

Tifton - K. Cawley, M. Cofield, W. Mosteller
Midville - J. Lanier, R. Milton, and T. Woodward
Plains - W. Jones and D. Pearce

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