

## 2024 On-Farm Cotton Variety Trial Results – FINAL

Camp Hand, Wade Parker, and Trey Davis

| Variety      | County (Lint yield per acre) |                |              |              |             |             |             |             |             |             |             |              |              |             |             |             |             |             |             |      | All Loc. Avg. | LSD (P=0.1) | Above Trial Avg. |
|--------------|------------------------------|----------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|------|---------------|-------------|------------------|
|              | Colquitt DRY                 | Jeff Davis IRR | Mitchell DRY | Mitchell IRR | Oconee DRY  | Dooly IRR   | Sumter IRR  | Grady DRY   | Burke IRR   | Cook IRR    | Burke DRY   | Colquitt IRR | Tattnall DRY | Jenkins IRR | Worth IRR   | Turner IRR  | Brooks IRR  | Houston IRR | Pulaski IRR |      |               |             |                  |
| DP 2038 B3XF | 917                          | 871            | 1106         | 1067         | 1229        | 1182        | 1316        | 1266        | 1280        | 1170        | 1279        | 1579         | 1282         | 1416        | 1545        | 1439        | 1697        | 1563        | 1597        | 1305 | a             | 79          |                  |
| DP 2333 B3XF | 835                          | 728            | 984          | 1073         | 1113        | 1368        | 1222        | 1310        | 1201        | 1384        | 1284        | 1583         | 1129         | 1281        | 1542        | 1685        | 1789        | 1561        | 1585        | 1298 | a             | 68          |                  |
| ST 6000 AXTP | 774                          | 869            | 949          | 1050         | 1213        | 1158        | 1172        | 1146        | 1136        | 1440        | 1239        | 1420         | 1541         | 1353        | 1477        | 1528        | 1719        | 1462        | 1778        | 1286 | a             | 58          |                  |
| DP 2127 B3XF | 942                          | 810            | 1070         | 995          | 1235        | 1222        | 1239        | 1224        | 1168        | 1121        | 1270        | 1571         | 1322         | 1281        | 1411        | 1441        | 1690        | 1431        | 1766        | 1274 | ab            | 53          |                  |
| DG 3799 B3XF | 677                          | 898            | 827          | 984          | 1052        | 1219        | 1335        | 1336        | 1465        | 1363        | 1232        | 927          | 1511         | 1417        | 1384        | 1565        | 1364        | 1662        | 1628        | 1255 | abc           | 53          |                  |
| AR 9831 B3XF | 791                          | 665            | 854          | 1007         | 1084        | 1086        | 1080        | 1264        | 1161        | 1139        | 1244        | 1562         | 1336         | 1378        | 1469        | 1632        | 1746        | 1625        | 1672        | 1252 | abc           | 58          |                  |
| NG 5430 B3XF | 735                          | 877            | 951          | 989          | 1268        | 1316        | 1226        | 1363        | 1225        | 1406        | 1378        | 869          | 1447         | 1259        | 1400        | 1618        | 1120        | 1643        | 1620        | 1248 | abc           | 58          |                  |
| AR 9371 B3XF | 816                          | 778            | 860          | 1052         | 1178        | 1125        | 1096        | 1206        | 1122        | 1095        | 1136        | 1409         | 1338         | 1241        | 1400        | 1505        | 1574        | 1460        | 1673        | 1214 | bc            | 37          |                  |
| DG 3615 B3XF | 683                          | 886            | 764          | 907          | 1166        | 781         | 1338        | 1158        | 1421        | 1125        | 1410        | 1014         | 833          | 1590        | 1388        | 1421        | 1363        | 1649        | 1813        | 1195 | cd            | 42          |                  |
| DG H959 B3XF | 619                          | 730            | 754          | 830          | 1090        | 1193        | 1154        | 1093        | 1259        | 1277        | 1109        | 944          | 1360         | 1321        | 1250        | 1361        | 1212        | 1510        | 1579        | 1139 | d             | 21          |                  |
|              | <b>779</b>                   | <b>811</b>     | <b>912</b>   | <b>995</b>   | <b>1163</b> | <b>1165</b> | <b>1218</b> | <b>1237</b> | <b>1244</b> | <b>1252</b> | <b>1258</b> | <b>1288</b>  | <b>1310</b>  | <b>1354</b> | <b>1426</b> | <b>1520</b> | <b>1527</b> | <b>1557</b> | <b>1671</b> |      |               |             |                  |

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

Red line (between Burke and Cook) represents the overall trial average (1,247 lbs/acre)

Contact your local UGA County Extension Agent for more information on variety selection and performance.

**Locations that yielded BELOW the trial average (1,247 lbs/acre)**

| Variety      | County (Lint yield per acre) |                |              |              |             |             |             |             |             |      | All Loc. Avg. | LSD (P=0.1) | % Above Trial Avg. |
|--------------|------------------------------|----------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|------|---------------|-------------|--------------------|
|              | Colquitt DRY                 | Jeff Davis IRR | Mitchell DRY | Mitchell IRR | Oconee DRY  | Dooly IRR   | Sumter IRR  | Grady DRY   | Burke IRR   |      |               |             |                    |
| DP 2038 B3XF | 917                          | 871            | 1106         | 1067         | 1229        | 1182        | 1316        | 1266        | 1280        | 1137 | a             | 100         |                    |
| NG 5430 B3XF | 735                          | 877            | 951          | 989          | 1268        | 1316        | 1226        | 1363        | 1225        | 1105 | ab            | 78          |                    |
| DP 2127 B3XF | 942                          | 810            | 1070         | 995          | 1235        | 1222        | 1239        | 1224        | 1168        | 1101 | ab            | 56          |                    |
| DP 2333 B3XF | 835                          | 728            | 984          | 1073         | 1113        | 1368        | 1222        | 1310        | 1201        | 1093 | abc           | 67          |                    |
| DG 3799 B3XF | 677                          | 898            | 827          | 984          | 1052        | 1219        | 1335        | 1336        | 1465        | 1088 | abc           | 56          |                    |
| ST 6000 AXTP | 774                          | 869            | 949          | 1050         | 1213        | 1158        | 1172        | 1146        | 1136        | 1052 | bcd           | 44          |                    |
| AR 9371 B3XF | 816                          | 778            | 860          | 1052         | 1178        | 1125        | 1096        | 1206        | 1122        | 1026 | cde           | 33          |                    |
| DG 3615 B3XF | 683                          | 886            | 764          | 907          | 1166        | 781         | 1338        | 1158        | 1421        | 1011 | de            | 44          |                    |
| AR 9831 B3XF | 791                          | 665            | 854          | 1007         | 1084        | 1086        | 1080        | 1264        | 1161        | 999  | de            | 33          |                    |
| DG H959 B3XF | 619                          | 730            | 754          | 830          | 1090        | 1193        | 1154        | 1093        | 1259        | 969  | e             | 22          |                    |
|              | <b>779</b>                   | <b>811</b>     | <b>912</b>   | <b>995</b>   | <b>1163</b> | <b>1165</b> | <b>1218</b> | <b>1237</b> | <b>1244</b> |      |               |             |                    |

**Locations that yielded ABOVE the trial average (1,248 lbs/acre)**

| Variety      | County (Lint yield per acre) |             |              |              |             |             |             |             |             |             | All Loc. Avg. | LSD (P=0.1) | % Above Trial Avg. |
|--------------|------------------------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|--------------------|
|              | Cook IRR                     | Burke DRY   | Colquitt IRR | Tattnall DRY | Jenkins IRR | Worth IRR   | Turner IRR  | Brooks IRR  | Houston IRR | Pulaski IRR |               |             |                    |
| ST 6000 AXTP | 1440                         | 1239        | 1420         | 1541         | 1353        | 1477        | 1528        | 1719        | 1462        | 1778        | 1496          | a           | 70                 |
| DP 2333 B3XF | 1384                         | 1284        | 1583         | 1129         | 1281        | 1542        | 1685        | 1789        | 1561        | 1585        | 1482          | ab          | 70                 |
| AR 9831 B3XF | 1139                         | 1244        | 1562         | 1336         | 1378        | 1469        | 1632        | 1746        | 1625        | 1672        | 1480          | ab          | 80                 |
| DP 2038 B3XF | 1170                         | 1279        | 1579         | 1282         | 1416        | 1545        | 1439        | 1697        | 1563        | 1597        | 1457          | abc         | 60                 |
| DP 2127 B3XF | 1121                         | 1270        | 1571         | 1322         | 1281        | 1411        | 1441        | 1690        | 1431        | 1766        | 1430          | abc         | 50                 |
| DG 3799 B3XF | 1363                         | 1232        | 927          | 1511         | 1417        | 1384        | 1565        | 1364        | 1662        | 1628        | 1405          | abcd        | 50                 |
| AR 9371 B3XF | 1095                         | 1136        | 1409         | 1338         | 1241        | 1400        | 1505        | 1574        | 1460        | 1673        | 1383          | abcd        | 40                 |
| NG 5430 B3XF | 1406                         | 1378        | 869          | 1447         | 1259        | 1400        | 1618        | 1120        | 1643        | 1620        | 1376          | bcd         | 50                 |
| DG 3615 B3XF | 1125                         | 1410        | 1014         | 833          | 1590        | 1388        | 1421        | 1363        | 1649        | 1813        | 1361          | cd          | 40                 |
| DG H959 B3XF | 1277                         | 1109        | 944          | 1360         | 1321        | 1250        | 1361        | 1212        | 1510        | 1579        | 1292          | d           | 20                 |
|              | <b>1252</b>                  | <b>1258</b> | <b>1288</b>  | <b>1310</b>  | <b>1354</b> | <b>1426</b> | <b>1520</b> | <b>1527</b> | <b>1557</b> | <b>1671</b> |               |             |                    |