Table 2. Least square means for lint yield in the 2019 RBTN conducted at 10 locations[1].

| Entry | Overlocs | | College Station TX | | Florence SC | | Jackson TN | | Keiser AR | | Las Cruces NM | | Lubbock TX | | Maricopa AZ | | Mississippi State, MS USDA | | Tallassee AL | | West Side CA | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r | lb/A | r |
| Ark 1102-55 | **1346** | 1 | 1322 | 11 | **1275** | 4 | **1650** | 5 | **1206** | 8 | **1378** | 6 | 1065 | 11 | **823** | 11 | **1126** | 1 | 1611 | 1 | **2007** | 1 |
| MS 2010-87-37 | **1331** | 2 | **1337** | 8 | **1302** | 3 | **1787** | 3 | **1244** | 5 | 1193 | 11 | 1033 | 15 | **942** | 3 | **1049** | 7 | 1602 | 2 | **1821** | 7 |
| Ark 1112-59 | **1308** | 3 | **1539** | 2 | **1335** | 1 | 1540 | 11 | **1180** | 9 | 1184 | 12 | 1088 | 10 | **860** | 8 | **1069** | 6 | 1351 | 14 | **1933** | 3 |
| Ark 1114-21 | **1307** | 4 | **1492** | 3 | 1157 | 12 | **1785** | 4 | **1233** | 6 | 1141 | 14 | 1047 | 12 | 808 | 14 | **1102** | 4 | 1442 | 7 | **1866** | 4 |
| Ark 1115-36 | **1284** | 5 | **1397** | 4 | **1304** | 2 | **1799** | 2 | **1348** | 1 | 888 | 19 | 1019 | 16 | **942** | 2 | **1107** | 3 | 1353 | 12 | 1687 | 12 |
| DP 393 CK | **1278** | 6 | **1340** | 6 | **1242** | 5 | **1585** | 9 | **1286** | 2 | 1025 | 18 | **1152** | 7 | **891** | 5 | 940 | 12 | 1496 | 5 | **1821** | 6 |
| UA 222 CK | **1276** | 7 | **1588** | 1 | 1098 | 16 | 1450 | 17 | 1159 | 13 | 1115 | 16 | **1278** | 3 | 771 | 16 | **999** | 8 | 1460 | 6 | **1844** | 5 |
| Ark 1117-60 | 1270 | 8 | **1351** | 5 | **1236** | 6 | 1549 | 10 | 1032 | 18 | 1117 | 15 | 1038 | 14 | **908** | 4 | **975** | 10 | 1525 | 3 | **1964** | 2 |
| GA2016099 | 1258 | 9 | 1331 | 9 | **1198** | 9 | **1615** | 7 | **1265** | 3 | 1171 | 13 | **1141** | 8 | 815 | 12 | 862 | 17 | 1423 | 8 | 1760 | 10 |
| TAM 13S-03 | 1253 | 10 | 1257 | 13 | 1145 | 13 | 1483 | 15 | **1264** | 4 | 1223 | 10 | **1268** | 4 | **875** | 6 | 870 | 15 | 1420 | 9 | 1729 | 11 |
| Ark 1124-50 | 1252 | 11 | 1326 | 10 | 1142 | 14 | **1610** | 8 | 1130 | 14 | **1524** | 2 | 1040 | 13 | 737 | 17 | 871 | 14 | 1374 | 10 | **1769** | 9 |
| CSX8308 | 1235 | 12 | **1337** | 7 | 1102 | 15 | **1819** | 1 | **1229** | 7 | **1574** | 1 | 1120 | 9 | **850** | 10 | 855 | 18 | 1249 | 18 | 1213 | 18 |
| DP 493 CK | 1223 | 13 | 1188 | 16 | **1206** | 8 | 1496 | 14 | 1059 | 17 | **1440** | 3 | **1353** | 1 | **979** | 1 | **1102** | 5 | 1290 | 16 | 1115 | 20 |
| GA2016024 | 1214 | 14 | 1251 | 14 | **1212** | 7 | 1522 | 12 | 1112 | 16 | **1307** | 8 | 959 | 20 | 662 | 19 | **963** | 11 | 1352 | 13 | **1798** | 8 |
| FM 958 CK | 1189 | 15 | 1073 | 19 | 1160 | 11 | **1616** | 6 | **1166** | 11 | 1106 | 17 | **1308** | 2 | 681 | 18 | 842 | 19 | 1504 | 4 | 1431 | 16 |
| TAM 12J-39 | 1181 | 16 | 1160 | 18 | 1183 | 10 | 1517 | 13 | 1159 | 12 | **1324** | 7 | **1175** | 6 | **873** | 7 | 925 | 13 | 1372 | 11 | 1125 | 19 |
| GA2016103 | 1177 | 17 | 1204 | 15 | 1027 | 19 | 1428 | 18 | 1113 | 15 | **1304** | 9 | 1002 | 19 | 810 | 13 | **1116** | 2 | 1292 | 15 | 1476 | 14 |
| 13AFX13-12-5 | 1162 | 18 | 1264 | 12 | 1029 | 18 | 1313 | 19 | **1176** | 10 | **1424** | 4 | 1013 | 17 | **855** | 9 | **996** | 9 | 1260 | 17 | 1288 | 17 |
| 13AFX6-27-2 | 1131 | 19 | 1179 | 17 | 1046 | 17 | 1450 | 16 | 1025 | 19 | **1414** | 5 | 1008 | 18 | 799 | 15 | 819 | 20 | 1076 | 20 | 1490 | 13 |
| TAMLBB15905 | 943 | 20 | 920 | 20 | 877 | 20 | 1228 | 20 | 1022 | 20 | 620 | 21 | 920 | 21 | 571 | 20 | 582 | 21 | 1241 | 19 | 1450 | 15 |
| TAMLBB16507 | 923 | 21 | 908 | 21 | 848 | 21 | 1223 | 21 | 883 | 21 | 708 | 20 | **1196** | 5 | 519 | 21 | 863 | 16 | 1018 | 21 | 1062 | 21 |
| | | | | | | | | | | | | | | | | | | | | | | |
| **Mean** | 1216 | | 1274 | | 1149 | | 1546 | | 1157 | | 1199 | | 1106 | | 808 | | 954 | | 1367 | | 1602 | |
| **Entry LSD (.05)** | 74 | | 252 | | 143 | | 241 | | 184 | | 300 | | 217 | | 162 | | 184 | | 371 | | 239 | |
| **Entry (P>F)[2]** | <0.0001 | | <0.0001 | | <0.0001 | | <0.0001 | | 0.0010 | | <0.0001 | | 0.0042 | | <0.0001 | | <0.0001 | | 0.2006 | | <0.0001 | |
| **CV(%)** | 13.82 | | 13.83 | | 8.80 | | 10.79 | | 11.25 | | 17.69 | | 13.87 | | 14.14 | | 13.65 | | 19.19 | | 10.53 | |
| **R-Square** | 0.82 | | 0.76 | | 0.71 | | 0.61 | | 0.56 | | 0,64 | | 0.47 | | 0.60 | | 0.68 | | 0.34 | | 0.82 | |
| **Reps** | 40 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | |

Values in bold are not significantly different from highest value according to LSD(0.05).

[1] Alexandria, LA, omitted from over location analysis due to variability in lint yield.

[2] Location and Entry x Location signficant (P>F = 0.0001) in analysis over locations.