

Table 20. Means for percentage of potential lint yield for entries grown in worm infested and non-infested plots in the 2022 RBTN conducted at Mississippi State (USDA), Mississippi (Cooperator: Jack McCarty).

| Entry | Designation           | Lint Yield<br>Worm Control | Lint Yield<br>Worm Infested <sup>1</sup> | Lint Yield<br>Loss | Lint Yield<br>Percent of<br>Potential <sup>2</sup> |
|-------|-----------------------|----------------------------|--|--------------------|--|
|       |                       | lbs/a                      | lbs/a                                    | lbs/a              | %  |
| 1     | AU72028               | 1055                       | 1002                                     | 53                 | 94   |
| 2     | AU90098               | 996                        | 784                                      | 212                | 81   |
| 3     | Ark 1414-28           | 1024                       | 1157                                     | -133               | 115  |
| 4     | Ark 1414-43           | 1041                       | 1129                                     | -88                | 108  |
| 5     | Ark 1414-47           | 926                        | 1039                                     | -113               | 113  |
| 6     | Ark 1410-32           | 832                        | 1050                                     | -217               | 128  |
| 7     | Ark 1406-21           | 831                        | 960                                      | -129               | 122  |
| 8     | Ark 1410-56           | 1042                       | 922                                      | 119                | 90   |
| 9     | TAM 17 SHK-43         | 1036                       | 927                                      | 109                | 100  |
| 10    | TAM 18 SHA-27         | 680                        | 839                                      | -159               | 120  |
| 11    | TAM 17 WSH-12         | 804                        | 848                                      | -44                | 107  |
| 12    | TAM 17 WSG-51         | 750                        | 660                                      | 90                 | 90   |
| 13    | TAM 17 WSE-66         | 556                        | 654                                      | -98                | 116  |
| 14    | TAM 17 WSE-68         | 576                        | 819                                      | -243               | 149  |
| 15    | OA-22-1               | 840                        | 809                                      | 31                 | 97   |
| 16    | OA-22-2               | 581                        | 611                                      | -29                | 114  |
| 17    | OA-22-3               | 583                        | 843                                      | -260               | 149  |
| 18    | CSX5432               | 949                        | 977                                      | -28                | 107  |
| 19    | MS 2010-87-37         | 858                        | 992                                      | -134               | 120  |
| 20    | MS 2010-87-42         | 702                        | 925                                      | -222               | 131  |
| 21    | MS2010-87-44          | 953                        | 1200                                     | -247               | 129  |
| 22    | MS 2010-96-8          | 1122                       | 1094                                     | 28                 | 97   |
| 23    | MS 2010-66-16         | 970                        | 1124                                     | -154               | 116  |
| 24    | MS 2010-28-27         | 1068                       | 1220                                     | -152               | 116  |
| 25    | DP 393 CK             | 1145                       | 834                                      | 311                | 80   |
| 26    | DP 493 CK             | 844                        | 1039                                     | -195               | 123  |
| 27    | FM 958 CK             | 918                        | 934                                      | -16                | 103  |
| 28    | UA 222 CK             | 978                        | 970                                      | 7                  | 100  |
|       |                       |                            |  |                    |  |
|       | <b>Mean</b>           | 881                        | 942                                      | -61                | 111  |
|       | <b>Entry (P&gt;F)</b> | <0.05                      | <0.05                                    | ns                 | ns   |
|       | <b>LSD (.05)</b>      | 262                        | 363                                      | ns                 | ns   |
|       | <b>Reps</b>           | 4                          | 4  | 4                  | 4  |

<sup>1</sup> Worm plots were infested weekly, beginning at pin head square, with tobacco budworm for 5 applications. First instar larvae were suspended in a dry ground corn cob grit medium and applied at approximately 9:00 a.m. with a Davis inoculator. Application rates were 8 to 10 live larvae per foot of row.

<sup>2</sup> Lint Yield Percent of Potential = (lint yield worm infested / lint yield worm control) x 100.