

Table 19. Evaluation of 2019 RBTN entries for reponse to *Fusarium oxysporum* f. sp. *vasinfectum* Race-4 (FOV-4) in a naturally infested field near Clinton, Texas¹. (Cooperator: Jim Olvey)

Entry	Plant Survival Rating ³
Pima Check (High Tolerance) ²	9
Pima Check (Moderate Tolerance) ²	4
Pima Check (Low Tolerance) ²	0
13AFX13-12-5	6
13AFX6-27-2	5
Ark 1102-55	7
Ark 1112-59	4
Ark 1114-21	4
Ark 1115-36	4
Ark 1117-60	6
Ark 1124-50	3
CSX8308	3
GA2016024	5
GA2016099	5
GA2016103	6
LA16063019	3
LA16063033	2
LA16063054	4
MS 2010-87-37	5
TAM 12J-39	5
TAM 13S-03	5
TAMLBB16507	6
TAMLLB15905	4
DP 393 CK	4
DP 493 CK	5
FM 958 CK	4
UA 222 CK	6
Mean	4.6

¹ Located in the Rio Grande Valley area, field has a ten year history of FOV4 infestation. Plots, consisting of a single row, 20 feet in length, were planted on April 27, 2019 at two locations.

² Each entry was planted between two plots of susceptible check DP 340 (Pima). In addition, a moderately resistant check plot (Pima cultivar O&A-375), and a highly resistant check plot (Pima cultivar DP 348RF) was planted in the same row on either side of the entry. The susceptible check (DP 340) served to confirm adequate spore counts (dead plants) while the resistant cultivars were used for purposes of comparison.

³ Following an initial stand count, subsequent stand counts were recorded at 30d and 60d after planting. Plant survival was calculated as final stand count/initial stand count x 100, and then assigned a plant survival rating based on the following ratings: 1= 0%, 2= 1-10%, 3= 21-30%, 4= 31-40%, 5= 41-50%, 6= 51-60%, 7= 61-70%, 8= 71-80%, 9= 81-90%, 10= 91-100%. Based upon response to FOV4 (severe stand loss), none of the RBTN entries qualified for a second year of screening.