

Table 22. Least square means for percentage wilted and defoliated plants in a Verticillium infested soil for entries in the 2017 RBTN trial conducted at Halfway, Texas. (Cooperator:Jane Dever)

Entry	Verticillium Wilt ¹		Defoliation ²
	17-Aug	31-Aug	
	%	%	%
TAM LBB130218	8.7	20.4	16.5
PD 09084	20.3	50.9	16.6
DP 493 CK	3.0	10.9	18.6
TAM LBB131001	5.6	12.7	21.9
LA14063038	13.6	29.6	22.3
Ark 0921-31ne	5.8	16.4	24.4
PD 07040	7.1	25.0	27.7
PD 09046	4.5	16.3	28.9
Ark 0921-27ne	6.3	17.8	29.7
LA14063001	8.1	29.7	31.0
NM 16-13P1088B	6.1	16.6	31.8
LA14063083	9.0	19.1	31.8
NM 13R1015	7.9	22.4	32.6
LA14063101	8.5	22.6	34.7
GA 2012141	17.7	40.0	35.1
Acala 1517-08	6.1	18.1	35.1
AU 90098	15.7	34.0	36.8
Tamcot G11	5.5	16.1	37.2
UA 222 CK	11.2	30.3	37.2
TAM WK-11L	4.8	12.3	38.4
GA 2015073	8.7	23.9	38.4
FM 958 CK	13.2	31.6	38.8
GA 2015090	10.2	38.0	40.9
GA 2015032	8.2	23.6	41.7
LA14063046	13.7	30.2	41.7
PD 2013016	10.5	27.7	42.1
Ark 0908-60	13.5	37.1	43.4
TAM 13Q-18	21.3	37.8	44.2
TAM 13S-03	6.4	14.9	45.0
Ark 0912-18	9.7	25.9	45.4
PD 08028	8.3	25.1	46.2
Ark 0911-13	6.6	14.5	46.2
DP 393 CK	9.3	15.3	46.2
TAM 13Q-51	13.4	29.9	63.6
Mean	9.7	24.6	35.6
MSD(0.05)	15.5	25.5	16.0

Values in bold are not significantly different (P=0.05) using Waller-Duncan k-ratio t-test. MSD=Minimum Significant Difference (P=0.05) between any two means within a column using Waller-Duncan k-ratio t-test.

¹ Percentage Verticillium wilted plants = (number of wilted plants/total number of plants) x 100 within a 29 ft plot. Test planted May 16, number of wilted plants recorded August 17 and August 31.

² Each plot was rated on a scale of 0 to 3 at 10 different sites within a plot, where 0 = no defoliation, 1 = 1-33% defoliation, 2 = 34-66% defoliation, and 3 = 67-100% defoliation. Ratings were then converted into % defoliation by taking the midpoint of a rating such that rating 0 = 0, 1 = 16.5, 2 = 49.5, and 3 = 83.5. Converted values from each plot were averaged to obtain the % defoliation in a plot.