

Table 52. Results of the irrigated verticillium wilt test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Yield	Agronomic Properties										
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Storm Resistance	Verticillium*	
		Lint	Seed	Picked	Pulled						08-09-05	08-15-05
FiberMax 966 LL	1221	28.6	44.7	38.8	25.8	5.5	10.3	7.0	30.3	2.9	5.50	11.50
Stoneville CA 3191-03	1206	26.6	44.9	38.6	29.4	6.2	11.1	7.3	32.8	3.0	3.25	9.00
Syngenta DX 241203-9	1195	29.5	44.9	40.2	30.0	5.5	9.9	6.9	31.9	2.7	6.75	12.50
Paymaster 147	1165	26.3	44.7	36.2	26.1	6.4	11.7	7.0	33.4	3.2	2.25	10.75
FiberMax 989 B2R	1148	26.8	44.5	37.6	27.5	6.1	10.9	7.1	32.3	2.8	3.00	4.25
FiberMax 958 LL	1139	26.7	46.3	40.1	30.3	5.3	10.7	7.5	28.4	2.9	4.50	14.50
Stoneville NG3969 R	1137	25.2	42.4	37.7	25.5	4.8	9.5	6.1	29.9	3.2	4.25	8.50
Deltapine 444 BG/RR	1120	28.6	40.2	41.0	30.9	5.1	9.5	6.7	31.0	2.5	3.25	7.75
FiberMax 958 LL	1112	27.1	44.0	39.4	29.3	5.6	10.5	7.2	30.3	2.9	4.50	13.50
Stoneville BSD 60801-05	1095	28.5	46.4	38.6	29.1	5.9	10.0	6.7	33.8	3.3	2.50	13.50
Stoneville 02T0200	1082	27.0	45.8	37.3	27.3	6.6	11.7	7.3	33.9	3.1	2.50	8.50
FiberMax 960 B2R	1070	26.6	41.3	39.7	29.9	5.5	10.7	7.4	29.4	2.8	3.25	9.75
Paymaster HS 26	1064	25.5	43.8	34.7	24.6	6.1	11.2	6.4	32.6	3.1	3.75	8.50
Deltapine 2266 RR	1057	25.3	44.0	36.3	29.3	6.9	11.6	6.9	36.3	3.1	4.25	7.75
Syngenta DX 24714	1021	27.7	42.6	39.1	26.4	5.7	9.6	6.8	32.4	2.9	3.50	7.00
Stoneville 02T0260	1018	24.8	44.5	35.9	24.2	5.8	11.4	6.9	30.2	3.1	7.50	12.75
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	1004	25.3	43.5	37.3	27.0	5.9	11.6	7.4	29.9	3.0	5.00	16.00
Stoneville BSD 61471-03	998	26.2	44.0	39.1	29.9	5.7	10.6	7.2	30.8	3.1	4.00	15.00
Deltapine 2280 BG/RR	993	25.6	44.8	35.8	25.8	6.0	10.9	6.5	33.2	2.9	3.50	5.50
Syngenta DX 34705	983	26.3	39.1	40.3	29.7	5.9	9.9	7.0	33.7	3.0	6.25	10.25
Stoneville 02T2424	969	24.6	44.5	37.3	26.6	4.4	10.7	6.7	24.7	3.5	4.25	16.00
Stoneville 02T1443	951	26.3	49.0	33.8	23.3	5.6	11.9	6.7	28.2	3.0	11.75	14.00
Stoneville 01T012	944	25.9	40.2	39.9	27.6	5.8	10.5	7.3	31.4	3.0	8.75	17.50
Syngenta DX 241203-16	938	24.8	42.0	39.9	28.0	5.6	10.2	7.1	31.2	2.7	5.50	13.50
PhytoGen 310 R	929	28.3	42.0	41.0	28.2	4.9	9.4	7.1	28.4	2.6	4.75	13.25

Table 52. Cont

Designation	Agronomic Properties											
	Yield	% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Storm Resistance	Verticillium*	
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll		08-09-05	08-15-05
Stoneville 02T0264	919	26.5	42.0	38.4	30.0	7.0	11.6	7.6	35.5	3.3	4.50	9.00
Stoneville BSD 20080	919	23.3	39.6	38.5	28.1	5.6	12.1	8.2	26.5	3.1	2.75	9.75
Deltapine 432 RR	896	29.5	46.7	39.1	26.4	4.6	10.0	6.9	26.7	2.8	3.25	16.50
Raider 271	895	22.2	44.0	33.0	24.5	5.9	12.0	6.2	31.6	3.0	1.50	7.25
PhytoGen 470 WR	888	26.1	43.4	36.9	24.3	4.3	9.5	6.1	26.5	2.8	3.50	19.00
PhytoGen 410 R	887	29.8	48.1	38.6	26.5	4.4	9.6	6.2	27.5	2.5	3.75	20.25
Stoneville 02T2416	885	25.9	43.4	36.6	25.3	5.2	9.4	6.0	32.2	2.7	3.25	7.50
Stoneville 01T019	877	25.7	43.6	36.3	29.2	7.2	12.3	7.6	34.3	2.9	4.25	14.25
Stoneville 02T1451	867	22.1	45.2	34.6	26.0	5.4	11.4	6.5	28.9	2.9	4.00	13.75
PhytoGen 370 WR	820	26.6	38.8	40.8	29.5	4.6	9.2	6.8	27.8	2.6	8.00	14.75
Stoneville 02T2415	789	23.3	42.7	36.8	25.7	5.2	10.3	6.3	30.5	2.9	7.75	18.75
Stoneville BSD 61471-05	774	25.2	42.4	36.5	27.7	4.9	9.8	6.1	29.0	2.9	9.50	27.50
Stoneville 02T1477	758	24.3	47.5	34.8	26.1	5.5	11.8	6.7	28.5	2.9	6.75	11.75
Stoneville 02T1505	758	22.9	44.0	34.4	23.6	4.9	10.8	6.2	27.3	2.8	6.75	13.75
Stoneville 02T2451	737	22.7	43.8	37.2	25.8	5.5	10.5	6.6	31.1	3.2	5.75	20.50
Stoneville 02T1488	717	21.4	45.3	33.0	24.8	6.1	12.1	6.4	31.2	2.9	6.50	18.75
Deltapine 434 RR	709	26.0	41.3	39.8	29.2	5.3	9.5	6.6	31.5	2.9	6.50	13.50
Stoneville 02T2420	707	21.4	40.6	34.2	24.3	4.8	9.8	5.5	30.3	2.9	9.50	20.00
Stoneville 02T1487	693	21.3	43.7	33.4	24.9	6.0	11.2	6.0	34.3	3.0	3.75	17.50
Lankart 57	583	22.6	42.0	35.1	26.1	6.0	10.8	6.1	33.9	3.0	13.75	26.75
Mean	947	25.6	43.6	37.4	27.1	5.6	10.5	6.8	30.8	2.9		
C.V.%	13.1	5.8	6.2	2.2	6.3	7.8	5.7	6.8	8.4	3.1		
LSD 0.05	146	2.5	4.5	1.4	2.8	0.7	1.0	0.8	4.3	0.1		

\*Average number of plants per plot with verticillium symptoms.

Table 52A. Results of the irrigated verticillium wilt test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 966 LL	3.2	1.10	81.8	30.2	4.9	2	79.3	7.7	31-1	0.5363	654.82	2
Stoneville CA 3191-03	4.0	1.05	82.4	27.7	7.8	2	79.8	7.8	21-2,31-1	0.5333	643.16	3
Syngenta DX 241203-9	3.5	1.13	81.8	29.2	5.9	2	79.7	8.1	21-2	0.5678	678.52	1
Paymaster 147	3.6	1.01	79.2	26.0	7.7	1	78.2	8.8	21-2,21-4	0.5088	592.75	7
FiberMax 989 B2R	3.2	1.11	81.6	29.5	5.7	2	79.5	7.8	21-2,31-1	0.5385	618.20	5
FiberMax 958 LL	2.8	1.13	81.3	28.3	6.2	2	77.9	8.1	31-1,31-2	0.5000	569.50	11
Stoneville NG3969 R	3.2	1.10	81.2	28.5	7.1	1	80.5	8.1	21-1,21-2	0.5350	608.29	6
Deltapine 444 BG/RR	3.2	1.06	80.2	26.0	7.0	3	78.3	7.9	31-1,31-2	0.4918	550.82	14
FiberMax 958 LL	3.2	1.12	81.3	29.3	6.0	2	78.9	7.9	31-1,31-2	0.5293	588.58	8
Stoneville BSD 60801-05	3.3	1.07	82.1	28.0	7.9	2	79.4	8.2	21-2	0.5185	567.76	12
Stoneville 02T0200	4.2	1.11	82.4	30.7	8.0	2	79.9	8.2	21-2	0.5780	625.40	4
FiberMax 960 B2R	2.9	1.10	80.8	27.2	5.4	2	79.0	7.5	31-1,31-2	0.4978	532.65	17
Paymaster HS 26	3.8	1.05	82.7	28.5	7.9	2	79.3	7.8	31-1	0.5225	555.94	13
Deltapine 2266 RR	3.8	1.07	83.0	28.0	7.6	2	76.5	8.2	31-1,41-1	0.5425	573.42	10
Syngenta DX 24714	3.7	1.11	81.8	29.0	6.5	2	77.7	8.9	21-4,31-1	0.5733	585.34	9
Stoneville 02T0260	3.3	1.11	81.8	30.2	4.9	2	79.3	7.1	31-1,41-1	0.5398	549.52	15
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	3.5	1.07	81.8	27.7	6.0	3	77.0	7.3	41-1	0.5215	523.59	18
Stoneville BSD 61471-03	3.0	1.10	81.0	27.6	6.4	2	78.3	8.1	31-1,31-3	0.5135	512.47	19
Deltapine 2280 BG/RR	3.5	1.09	81.4	27.9	7.3	2	77.9	7.9	31-1,31-2	0.5505	546.65	16
Syngenta DX 34705	3.1	1.06	79.1	26.0	5.5	2	79.1	7.3	31-1,31-2	0.4850	476.76	28
Stoneville 02T2424	3.0	1.08	81.0	27.4	7.0	2	79.3	7.8	21-2,31-2	0.5120	496.13	23
Stoneville 02T1443	3.0	1.14	81.7	28.1	6.3	4	78.1	7.2	31-2,41-1	0.5108	485.77	26
Stoneville 01T012	3.4	1.06	80.8	28.4	6.7	2	81.6	7.7	21-1,21-2	0.5280	498.43	21
Syngenta DX 241203-16	3.2	1.10	80.5	28.7	6.0	2	80.2	7.6	21-2,31-1	0.5303	497.42	22
PhytoGen 310 R	3.1	1.04	80.5	27.4	6.7	1	79.1	8.6	21-1,21-2	0.4968	461.53	31

Table 52A. Cont.

Designation	Micro-		Uni-		Elon-		Leaf		Color		Loan Value	Gross Loan Value per Acre	
	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade <sup>1/</sup>	\$		Rank	
Stoneville 02T0264	3.2	1.11	80.6	28.1	6.5	2	78.7	8.0	21-2,31-2	0.5345	491.21	25	
Stoneville BSD 20080	3.3	1.16	81.6	29.0	6.5	2	78.7	7.6	31-1,31-2	0.5428	498.83	20	
Deltapine 432 RR	3.4	1.06	81.9	26.6	8.3	3	77.2	8.5	31-1,31-2	0.5210	466.82	29	
Raider 271	3.3	1.15	82.0	31.1	6.7	2	79.4	8.1	21-2,31-1	0.5500	492.25	24	
PhytoGen 470 WR	3.2	1.06	81.0	26.7	8.6	1	80.8	8.1	21-1,21-2	0.5093	452.26	32	
PhytoGen 410 R	3.1	1.03	78.9	27.2	7.4	2	78.8	8.0	31-1	0.4813	426.91	35	
Stoneville 02T2416	3.6	1.09	82.7	28.0	7.1	2	79.5	7.6	31-1	0.5473	484.36	27	
Stoneville 01T019	3.3	1.08	81.0	26.9	7.2	2	78.8	8.9	21-1,21-4	0.5285	463.49	30	
Stoneville 02T1451	2.9	1.13	82.3	28.9	6.4	3	77.6	7.9	31-2	0.5045	437.40	33	
PhytoGen 370 WR	3.4	1.06	80.8	26.2	7.4	2	78.5	8.0	21-2,31-2	0.5238	429.52	34	
Stoneville 02T2415	2.9	1.09	81.6	27.5	6.7	1	79.9	7.2	31-1	0.4950	390.56	37	
Stoneville BSD 61471-05	3.0	1.02	79.1	28.6	6.6	2	77.9	7.5	31-2	0.4725	365.72	39	
Stoneville 02T1477	2.7	1.11	80.9	27.9	6.6	3	77.0	7.9	31-1,41-1	0.4650	352.47	41	
Stoneville 02T1505	3.0	1.13	81.0	27.4	6.8	2	78.5	8.0	21-2,31-2	0.5215	395.30	36	
Stoneville 02T2451	2.8	1.10	81.6	28.2	9.0	1	81.9	7.2	21-2,31-1	0.4980	367.03	38	
Stoneville 02T1488	2.7	1.16	80.7	28.4	6.4	3	77.9	7.5	31-2	0.4895	350.97	42	
Deltapine 434 RR	3.0	1.06	77.9	25.1	7.5	1	78.5	8.3	31-1	0.4865	344.93	44	
Stoneville 02T2420	2.9	1.08	80.9	28.1	6.3	2	79.1	7.3	31-1,31-2	0.4993	353.01	40	
Stoneville 02T1487	2.8	1.12	80.2	27.3	6.7	2	78.4	7.7	31-1,31-2	0.5030	348.58	43	
Lankart 57	2.7	1.07	80.0	26.5	6.5	1	77.7	8.3	31-1	0.4828	281.47	45	
Mean	3.2	1.09	81.1	28.0	6.8	2	78.8	7.9		0.5180			
C.V. %	7.5	2.0	1.4	3.3	6.3	32.8	1.5	5.4		4.7			
LSD 0.05	0.4	0.04	2.0	1.5	0.7	1	2.0	0.7		0.0412			

<sup>1/</sup> Fiber quality determinations are made on samples from two reps. If the color grades from these two samples are identical, only one color grade is reported. If they are different, both are reported.