

Table 33. Results of the irrigated verticillium wilt cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2002.

Designation	Yield	Agronomic Properties								% Open	Verticillium	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm	Wilt
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-02-02	Resistance	%
FiberMax 958	1328	28.7	44.6	40.1	30.8	6.2	11.3	8.0	30.9	59	3.2	73
Stoneville 5303 R	1323	28.5	43.9	39.9	30.5	5.4	10.2	7.0	30.9	40	2.6	63
PhytoGen 98M-3196	1249	27.9	42.8	40.8	30.9	5.3	9.8	7.0	31.3	65	2.7	83
Stoneville 2454 R	1225	29.3	45.0	39.3	30.4	6.2	10.8	7.4	32.9	68	2.7	76
Paymaster 147	1194	27.1	45.9	38.8	29.3	7.1	10.9	7.3	38.0	74	3.0	81
PhytoGen 98M-2983	1180	27.8	43.2	40.5	30.6	5.3	9.5	6.9	31.3	56	2.4	81
PhytoGen 99M-1495	1168	26.9	42.7	37.6	28.4	4.8	10.3	6.5	27.5	50	2.5	84
Stoneville 4793 R	1155	27.9	41.9	40.7	30.9	5.1	10.2	7.3	28.7	56	2.6	84
Syngenta 2429	1117	27.5	43.5	38.1	28.3	4.9	10.3	6.7	27.5	74	2.5	85
Stoneville 4892 BR	1114	27.6	42.3	40.0	31.3	5.3	10.3	7.4	28.5	51	2.8	90
PhytoGen 355	1081	26.6	43.5	38.8	29.4	5.2	10.2	6.8	29.5	77	2.4	80
Syngenta 9936c	1044	25.5	43.9	37.4	29.5	4.7	10.4	6.6	26.9	63	2.7	90
Paymaster 145	978	29.0	44.2	38.5	29.8	5.7	10.4	6.9	31.9	83	3.0	65
Syngenta 99574c	816	21.4	40.6	38.5	29.7	6.0	11.2	7.4	31.4	74	2.6	84
Lankart 57	790	26.3	45.1	35.4	27.3	6.5	11.9	6.8	33.6	74	3.2	81
Mean	1117	27.2	43.5	38.9	29.8	5.6	10.5	7.1	33.3	64	2.7	80
C.V.%	7.0	4.3	3.9	2.8	4.4	7.7	5.2	6.9	6.1	15.0	7.2	13.9
LSD 0.05	93	2.0	3.0	2.0	2.3	0.8	1.0	0.9	3.3	11	0.2	13

Table 33A. Results of the irrigated verticillium wilt variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2002.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Color		Loan Value	Gross Loan Value per Acre	
	naire	Length				Index	Rd	+b	Grade ^{1/}		\$	Rank
FiberMax 958	3.8	1.12	81.9	31.1	4.4	2	71.3	8.4	41-3,51-3	0.5235	690.39	2
Stoneville 5303 R	4.0	1.08	83.3	31.9	5.9	2	75.6	8.0	31-2,41-1	0.5478	739.01	1
PhytoGen 98M-3196	3.6	1.08	82.3	30.6	7.4	2	73.6	8.3	41-3	0.5373	679.88	3
Stoneville 2454 R	4.5	1.08	82.4	30.5	6.9	2	74.2	7.4	41-1,41-2	0.5323	666.00	4
Paymaster 147	4.0	1.03	82.1	27.6	7.0	2	73.1	8.2	41-1,41-3	0.4938	617.48	6
PhytoGen 98M-2983	3.3	1.07	80.6	29.1	6.5	2	72.4	7.6	41-2,51-1	0.4753	507.53	12
PhytoGen 99M-1495	4.5	1.12	83.0	31.4	8.3	3	71.2	7.6	41-2,51-1	0.5230	607.14	8
Stoneville 4793 R	4.1	1.08	83.1	29.9	6.8	2	72.5	8.0	41-2,41-3	0.5318	627.83	5
Syngenta 2429	4.5	1.10	82.8	29.7	7.6	2	71.7	8.1	41-4	0.5378	602.71	9
Stoneville 4892 BR	4.1	1.08	82.4	30.1	6.5	2	74.1	8.5	31-4,41-3	0.5420	608.16	7
PhytoGen 355	4.3	1.10	83.3	30.4	7.8	2	70.8	7.8	41-4,51-1	0.5213	585.00	10
Syngenta 9936c	3.9	1.09	82.7	28.9	6.8	2	73.7	7.6	41-1,41-2	0.5363	525.26	11
Paymaster 145	4.5	1.02	81.9	29.4	5.3	2	72.9	8.0	41-2,41-3	0.4838	478.12	13
Syngenta 99574c	3.3	1.12	82.1	30.5	5.4	2	73.9	7.1	41-2	0.5088	422.70	14
Lankart 57	3.9	1.12	82.6	28.9	6.8	3	71.9	8.0	41-3,51-3	0.4950	388.45	15
Mean	4.0	1.08	82.4	30.0	6.6	2	72.8	7.9		0.5190	583.04	
C.V.%	10.7	2.0	1.2	2.9	4.5	39.5	1.8	4.5		3.5	6.7	
LSD 0.05	0.7	0.04	1.7	1.5	0.5	1	2.3	0.6		0.0322	69.04	

^{1/} 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.