

Table 54. Results of the irrigated verticillium wilt yield test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	09-27-06	Resistance
FiberMax BCSX 2109F	1691	33.1	47.1	40.1	32.1	5.3	10.8	7.7	27.3	62	2.9
Syngenta DX 241203-16	1605	33.8	48.5	39.9	29.8	5.3	10.6	7.3	28.7	63	2.5
FiberMax BCSX 0643B2F	1572	32.1	47.2	40.3	32.3	5.9	10.6	7.5	31.5	49	2.7
FiberMax 988LLB2	1520	31.4	46.1	39.7	31.3	5.7	10.9	7.6	29.9	36	2.6
FiberMax 9060F	1519	32.0	45.6	40.8	31.4	4.8	10.4	7.5	26.0	71	2.8
Stoneville 4427B2RF (tested as x0504B2RF)	1496	29.5	46.2	38.8	28.7	4.4	9.5	6.5	26.7	56	2.2
FiberMax x9166LLB2	1478	30.8	47.1	39.1	30.8	5.2	10.8	7.3	27.8	50	2.6
Syngenta DX 34701-2	1413	31.6	44.9	40.8	32.2	5.6	9.7	7.1	32.1	49	2.5
FiberMax BCSX 2001F	1406	31.1	46.3	39.6	29.2	5.3	11.2	7.7	27.1	55	2.8
FiberMax 958	1400	31.8	45.0	40.5	30.5	5.1	10.8	7.8	26.6	68	2.9
FiberMax 960B2	1391	31.0	47.8	39.2	29.1	5.5	11.4	7.7	28.1	61	2.6
Syngenta DX 44780	1382	33.4	46.8	41.1	31.9	5.4	10.9	8.0	28.0	67	2.7
FiberMax 955LLB2	1369	31.0	46.5	39.1	30.3	6.1	12.0	8.3	28.8	48	2.6
FiberMax BCSX 0680B2F	1359	29.9	47.9	38.2	30.5	5.2	9.3	6.0	33.7	53	2.4
FiberMax x06724LL	1341	31.7	47.2	39.8	32.6	5.3	10.6	7.4	28.3	51	2.7
Syngenta DX 44902	1335	30.9	45.5	40.9	30.4	4.4	9.7	7.0	25.7	80	2.7
FiberMax 9063B2F	1319	30.0	46.0	39.7	30.3	5.6	11.4	8.0	28.0	66	2.9
Stoneville 5283RF (tested as x0503RF)	1318	30.7	44.1	41.2	29.8	4.2	9.1	6.8	25.5	52	2.4
Phytogen 370 WR	1309	32.7	45.6	41.1	31.7	4.8	9.7	7.2	27.5	64	2.0
FiberMax 9058F	1307	29.7	42.8	40.1	30.2	4.9	10.4	7.3	26.4	60	2.8
Paymaster 147	1294	30.6	49.8	37.2	27.4	6.1	11.2	7.1	32.3	69	2.9
Phytogen 485 WRF	1291	29.0	45.9	36.6	27.1	4.4	9.4	5.9	27.2	69	2.0
Stoneville 5327B2RF (tested as x0505B2RF)	1263	31.3	43.8	41.6	32.8	5.0	9.5	7.1	28.9	56	2.3
Syngenta DX 34902-3	1227	29.8	45.1	39.1	29.6	5.2	11.2	7.5	27.0	51	2.0
Syngenta DX 241203-9	1211	30.7	45.8	39.7	30.3	5.1	10.6	7.3	27.5	54	2.5

Table 54A. Results of the irrigated verticillium wilt yield test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf			Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
						Index	Rd	+b			\$	Rank
FiberMax BCSX 2109F	4.2	1.16	82.2	31.1	6.1	4	79.4	6.6	31-2,41-1	0.5427	917.71	1
Syngenta DX 241203-16	4.8	1.15	83.0	32.5	7.0	3	80.1	7.4	31-1	0.5690	913.24	2
FiberMax BCSX 0643B2F	4.1	1.18	83.0	32.9	6.2	4	80.9	6.8	31-1,31-2	0.5632	885.35	3
FiberMax 988LLB2	4.6	1.12	81.2	30.0	6.3	3	81.2	7.1	31-1	0.5685	864.12	5
FiberMax 9060F	4.0	1.13	81.6	29.6	6.5	3	80.9	6.9	31-1,31-2	0.5708	867.05	4
Stoneville 4427B2RF (tested as x0504B2RF)	4.0	1.12	81.8	28.5	6.7	4	78.1	7.1	31-2,41-1	0.5303	793.33	11
FiberMax x9166LLB2	4.2	1.14	81.9	30.4	7.2	3	81.4	6.8	31-1,31-2	0.5738	848.08	6
Syngenta DX 34701-2	4.3	1.13	82.1	28.2	7.8	3	80.2	7.1	31-1,31-2	0.5687	803.57	8
FiberMax BCSX 2001F	4.2	1.17	81.7	31.7	6.7	3	81.2	6.7	31-1,31-2	0.5687	799.59	10
FiberMax 958	4.4	1.13	82.9	33.2	6.2	3	80.1	6.8	31-1,31-2	0.5768	807.52	7
FiberMax 960B2	4.4	1.15	82.6	35.5	6.1	3	80.5	6.9	31-1,31-2	0.5775	803.30	9
Syngenta DX 44780	4.5	1.09	81.9	28.0	7.3	3	79.6	7.3	31-1,31-2	0.5510	761.48	15
FiberMax 955LLB2	4.7	1.15	83.2	29.3	6.6	3	81.2	7.0	31-1	0.5752	787.45	12
FiberMax BCSX 0680B2F	3.8	1.16	81.5	30.5	7.5	3	81.3	6.9	31-1	0.5767	783.74	13
FiberMax x06724LL	4.3	1.15	83.2	31.4	5.6	3	80.7	6.6	31-1,31-2	0.5782	775.37	14
Syngenta DX 44902	3.7	1.06	81.9	29.0	8.6	3	80.3	7.1	31-1,31-2	0.5327	711.15	20
FiberMax 9063B2F	4.5	1.16	82.3	31.5	6.8	3	81.5	6.8	31-1	0.5763	760.14	16
Stoneville 5283RF (tested as x0503RF)	4.1	1.09	81.7	30.5	7.9	3	78.4	7.6	31-1,31-2	0.5677	748.23	17
Phylogen 370 WR	4.5	1.08	81.7	28.7	8.1	3	79.8	7.2	31-1,31-2	0.5570	729.11	19
FiberMax 9058F	4.2	1.13	81.4	29.9	6.3	3	80.3	7.1	31-1	0.5715	746.95	18
Paymaster 147	4.4	1.03	81.5	27.2	7.9	3	79.8	7.5	31-1,31-2	0.5165	668.35	25
Phylogen 485 WRF	4.4	1.10	82.7	29.9	8.9	4	77.4	7.3	31-2,41-1	0.5320	686.81	23
Stoneville 5327B2RF (tested as x0505B2RF)	4.8	1.08	82.4	29.4	8.6	3	78.1	7.6	31-1,41-1	0.5563	702.61	22
Syngenta DX 34902-3	4.5	1.15	82.7	30.5	6.7	3	80.0	7.3	31-1	0.5757	706.38	21
Syngenta DX 241203-9	4.7	1.10	80.9	31.0	7.4	3	79.6	7.4	31-1	0.5593	677.31	24

Table 54A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf			Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
						Index	Rd	+b			\$	Rank
Syngenta DX 441308	4.3	1.07	81.2	27.6	8.3	2	79.2	8.2	21-2,31-1	0.5522	658.22	27
Stoneville NG1572RR (tested as x0501RF)	3.4	1.10	80.9	28.3	7.3	4	78.3	6.7	41-1	0.5143	612.02	31
FiberMax x95007-80LL	4.1	1.08	81.2	31.2	6.9	3	80.3	6.9	31-2	0.5632	665.14	26
FiberMax BCSX 3000B2F	4.4	1.12	81.0	30.3	7.4	3	80.2	7.1	31-1,31-2	0.5627	647.67	29
FiberMax 9068F	4.6	1.14	82.5	32.9	6.8	3	80.5	7.0	31-1,31-2	0.5758	656.41	28
Stoneville NG1553R	4.2	1.11	81.5	31.3	7.6	3	79.4	7.5	31-1,31-2	0.5717	635.73	30
Phytogen 480 WR	4.3	1.11	83.1	29.4	9.0	4	77.6	7.0	31-2,41-1,41-2	0.5302	579.51	32
Lankart 57	4.0	1.06	80.4	26.5	7.5	3	79.7	7.4	31-1	0.5352	545.37	34
FiberMax 965LLB2	4.0	1.12	82.3	31.7	6.1	3	81.0	6.8	31-1,41-1	0.5673	551.98	33
Phytogen 745 WRF	4.2	1.12	82.6	33.3	8.6	4	77.3	7.4	31-2,41-1	0.5545	525.67	35
Mean	4.3	1.12	82.0	30.4	7.2	3	79.9	7.1		0.5590		
C.V.%	7.0	2.0	1.0	5.3	4.0	13.9	1.0	4.1		2.7		
LSD 0.05	0.4	0.03	1.1	2.2	0.4	1	1.0	0.4		0.0203		

^{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.

Table 54. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	09-27-06	Resistance
Syngenta DX 441308	1192	30.8	43.9	38.7	30.2	5.3	9.5	6.6	31.0	58	2.6
Stoneville NG1572RR (tested as x0501RF)	1190	28.3	46.2	36.8	28.9	4.9	10.6	6.5	27.6	75	2.9
FiberMax x95007-80LL	1181	33.1	47.2	42.0	31.8	4.4	9.5	7.2	25.8	70	2.6
FiberMax BCSX 3000B2F	1151	28.9	44.0	38.9	29.8	5.5	11.5	7.8	27.8	65	2.8
FiberMax 9068F	1140	30.5	44.8	39.9	31.0	6.3	11.4	8.0	31.5	66	2.7
Stoneville NG1553R	1112	30.3	51.1	35.9	30.1	5.6	11.5	6.8	29.8	74	2.9
Phytogen 480 WR	1093	28.4	46.9	36.5	28.9	4.4	9.7	5.9	27.2	66	2.2
Lankart 57	1019	27.5	48.4	35.9	27.1	6.0	13.0	7.7	28.1	75	2.9
FiberMax 965LLB2	973	26.2	41.3	39.7	29.5	5.5	11.6	8.0	27.4	61	2.6
Phytogen 745 WRF	948	28.6	44.0	37.7	28.1	4.9	10.7	6.9	28.0	87	1.7
Mean	1309	30.6	46.1	39.3	30.2	5.2	10.6	7.3	28.3	62	2.6
C.V.%	11.3	5.0	4.6	2.9	5.5	9.0	4.2	4.9	9.1	14.5	5.6
LSD 0.05	201	2.1	2.9	1.6	2.2	0.6	0.6	0.5	3.5	12	0.2