Table 32. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

				Agronomic Properties							
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	% Open Bolls	Storm
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	09-23-05	Resistance
Hazera 72-05	1677	27.5	42.8	35.6	27.8	5.5	12.1	7.5	26.1	72	2.5
Hazera 14-05	1536	24.8	43.1	35.9	26.0	4.1	11.5	7.3	20.1	59	2.6
Syngenta DX 241203-16	1422	30.5	45.1	40.2	30.3	5.0	10.1	7.2	27.6	62	2.7
Deltapine 455 BG/RR	1419	32.8	42.6	42.2	32.1	4.3	8.5	6.5	27.6	51	2.4
Syngenta DX 34705	1400	31.6	44.9	40.6	31.5	5.1	10.0	7.2	28.5	75	3.2
Hazera 195-05	1387	28.3	43.9	35.8	24.6	3.6	11.3	7.4	17.7	70	2.5
Syngenta DX 241203-9	1377	29.8	45.6	39.8	30.4	5.0	9.7	6.8	29.6	60	2.6
PhytoGen 03X2048	1344	31.9	43.7	39.6	30.0	4.8	9.3	6.6	28.5	78	2.5
Deltapine 515 BG/RR (tested as X04Y170 BR)	1342	30.1	43.3	41.4	30.1	4.0	8.7	6.4	26.0	47	2.5
Deltapine 494 R	1337	29.6	42.0	40.2	30.9	4.9	9.1	6.5	30.6	48	2.8
Deltapine X03X179 R	1303	31.7	41.4	44.1	33.3	5.0	9.3	7.7	28.5	44	2.8
Syngenta DX 34112	1299	28.5	40.5	41.3	30.6	4.7	10.1	7.5	25.7	49	2.8
Syngenta DX 34701	1270	28.4	41.6	39.7	29.3	4.7	10.3	7.2	26.0	69	2.9
FiberMax 958	1264	28.7	42.4	41.0	30.8	5.2	10.1	7.3	29.2	72	2.9
PhytoGen 03X2002	1264	28.1	46.2	38.8	28.7	5.4	10.7	7.3	29.1	75	3.1
Syngenta DX 34512	1261	30.0	42.4	41.5	30.0	4.6	9.3	7.1	26.6	59	3.2
PhytoGen 03X2067	1255	28.1	44.8	37.8	28.8	5.1	10.7	6.9	27.8	52	2.8
PhytoGen 03X2046	1252	29.9	44.8	38.9	30.3	5.0	9.9	7.0	28.2	47	2.7
PhytoGen 03X2022	1246	27.2	44.6	37.8	28.4	4.7	10.7	6.9	25.9	75	2.6
PhytoGen 03X2018	1244	27.9	44.5	37.1	27.1	4.6	10.5	6.6	25.7	70	2.6
PhytoGen 03X2004	1243	25.6	42.4	36.5	27.1	4.8	9.9	6.2	28.2	76	2.6
Deltapine X05V048 BR	1229	29.5	49.0	38.3	28.7	5.2	9.8	6.4	31.1	69	2.9
Hazera YD03-335	1210	26.9	47.2	35.9	27.8	5.7	10.9	6.4	32.3	61	3.9
Syngenta DX 24714	1204	30.2	42.5	40.2	29.4	4.4	9.1	6.6	27.1	43	2.9
Syngenta DX 441107	1171	29.2	43.9	40.6	29.6	5.5	10.5	7.5	30.0	40	3.2

Table 32. Cont.

				Agronomic Properties						% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-18-05	Resistance
Deltapine X05X648 DR	1107	31.3	43.0	41.8	32.5	4.5	8.2	6.2	30.4	39	2.7
PhytoGen 03X2078	1088	26.3	45.3	35.6	27.8	4.8	10.7	6.4	27.0	62	2.6
PhytoGen 03X2066	1062	26.4	47.2	35.3	25.4	4.8	11.3	6.5	25.9	67	2.8
PhytoGen 03X2019	1025	28.0	42.5	38.9	28.9	4.7	10.4	7.1	25.9	59	2.5
Hazera YD03-315	932	24.6	45.6	35.0	25.7	5.8	12.4	7.1	28.8	34	3.2
Mean	1272	28.8	43.9	38.9	29.1	4.8	10.1	6.9	27.4	59	2.8
C.V.%	10.6	4.9	3.8	2.3	3.4	8.0	3.7	4.0	7.3	21.1	6.2
LSD 0.05	159	2.4	2.8	1.5	1.7	0.7	0.6	0.5	3.4	21	0.2

Table 32A. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

Designation	Micro-naire	Length	Uni-formity	Strength	Elon-gation	Leaf Index	Rd	+b	Color Grade[1/]	Loan Value	Gross Loan Value per Acre $	Rank
Hazera 72-05	4.0	1.24	83.1	34.7	8.2	5	58.8	9.4	63-1,63-2	0.4400	737.88	7
Hazera 14-05	3.6	1.27	82.9	33.1	7.5	5	63.0	9.5	52-2,53-2	0.4630	711.17	12
Syngenta DX 241203-16	4.1	1.13	81.0	27.8	6.5	2	79.1	7.4	31-2	0.5715	812.67	1
Deltapine 455 BG/RR	3.9	1.09	80.7	27.3	5.9	2	75.9	8.7	31-4	0.5625	798.19	2
Syngenta DX 34705	3.9	1.09	79.6	26.8	5.0	2	79.7	7.6	31-1	0.5563	778.82	3
Hazera 195-05	3.6	1.22	83.2	35.5	7.8	5	58.8	9.1	63-1,63-2	0.4483	621.79	25
Syngenta DX 241203-9	4.1	1.17	83.1	30.2	6.2	2	76.6	7.4	31-2,41-1	0.5628	774.98	4
PhytoGen 03X2048	4.2	1.10	81.4	26.7	8.3	2	73.9	8.4	31-4,41-4	0.5535	743.90	6
Deltapine 515 BG/RR (tested as X04Y170 BR)	3.8	1.11	80.4	27.4	6.7	2	74.6	7.6	41-1	0.5430	728.71	8
Deltapine 494 R	3.9	1.12	80.9	29.0	7.3	2	74.7	8.2	31-2,41-1	0.5575	745.38	5
Deltapine X03X179 R	4.3	1.13	83.1	30.0	7.5	2	74.7	8.7	31-4,41-3	0.5573	726.16	9
Syngenta DX 34112	3.8	1.09	80.9	26.0	8.0	2	77.5	8.3	21-2,31-2	0.5590	726.14	10
Syngenta DX 34701	4.4	1.10	81.6	26.4	6.8	2	78.0	8.1	31-1	0.5653	717.93	11
FiberMax 958	4.0	1.15	82.5	30.4	4.9	3	75.2	7.9	41-1	0.5498	694.95	14
PhytoGen 03X2002	4.2	1.06	82.2	24.6	10.2	4	75.4	7.6	41-1	0.5128	648.18	21
Syngenta DX 34512	4.0	1.10	82.3	29.2	5.6	2	79.3	7.4	31-1	0.5638	710.95	13
PhytoGen 03X2067	4.1	1.10	82.0	27.4	7.9	3	73.8	8.1	41-1,41-3	0.5360	672.68	16
PhytoGen 03X2046	4.2	1.10	83.1	27.9	6.8	4	72.4	8.1	41-2,41-3	0.5335	667.94	18
PhytoGen 03X2022	4.2	1.08	81.3	26.5	7.0	3	73.6	8.0	41-1,41-4	0.5318	662.62	19
PhytoGen 03X2018	4.5	1.08	82.0	27.3	6.6	3	74.8	8.3	41-1,41-3	0.5310	660.56	20
PhytoGen 03X2004	3.7	1.12	81.0	27.7	6.3	4	72.1	7.6	41-2	0.5375	668.11	17
Deltapine X05V048 BR	3.4	1.10	80.3	27.1	8.4	2	76.0	7.7	31-2,41-1	0.5223	641.91	22
Hazera YD03-335	3.5	1.05	80.1	26.3	7.8	3	76.3	8.5	31-2	0.5180	626.78	24
Syngenta DX 24714	4.1	1.12	81.8	30.1	6.9	3	78.0	7.4	31-2	0.5728	689.65	15
Syngenta DX 441107	3.9	1.08	82.0	28.5	6.1	1	78.6	7.3	31-2	0.5450	638.20	23

Table 32A. 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[1/]	Loan Value	Gross Loan Value per Acre $	Gross Loan Value per Acre Rank
Deltapine X05X648 DR	3.8	1.09	78.7	27.0	5.6	2	78.1	7.6	31-2	0.5478	606.41	26
PhytoGen 03X2078	4.5	1.08	82.3	28.1	7.6	4	73.7	7.2	41-2	0.5283	574.79	27
PhytoGen 03X2066	3.6	1.04	80.1	27.5	6.5	2	76.2	8.1	31-2,31-4	0.5088	540.35	28
PhytoGen 03X2019	4.4	1.04	80.3	26.2	5.7	3	74.6	8.1	41-1	0.5048	517.42	29
Hazera YD03-315	3.8	1.13	82.3	30.0	6.6	3	74.8	7.8	41-1	0.5483	511.02	30
Mean	4.0	1.11	81.5	28.4	6.9	3	74.2	8.0		0.5340		
C.V.%	3.7	2.0	0.8	1.6	4.7	25.9	1.5	2.8		2.5		
LSD 0.05	0.2	0.04	1.0	0.8	0.6	1	1.9	0.4		0.0225		

[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.