

Table 34. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Pecos, TX, 2004.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-20-04	Resistance
Deltapine 455 BG/RR	1392	31.7	42.3	42.6	33.5	3.8	7.8	6.1	26.6	60	2.9
FiberMax 989	1368	28.9	43.6	39.8	30.4	4.8	9.1	6.4	30.3	39	2.7
Deltapine 445 BG/RR	1284	31.5	43.6	42.0	32.8	4.2	8.4	6.5	27.2	69	1.9
Hazera 14-08	1246	23.8	46.3	34.9	27.9	4.2	11.0	6.4	23.0	45	1.4
FiberMax 958	1226	31.1	44.7	40.6	31.8	4.8	9.6	6.9	27.9	62	3.2
Hazera 195	1214	25.3	45.5	36.2	26.1	3.8	10.7	6.6	20.8	28	1.5
Deltapine 449 BG/RR	1164	30.2	46.3	38.7	31.7	4.0	8.0	5.3	29.1	59	2.5
Hazera YD03-335	1162	28.9	49.4	35.9	29.2	5.3	10.6	6.2	30.8	70	4.0
Hazera 14-D4	1100	27.0	46.3	38.2	30.2	4.7	9.5	6.2	28.8	65	2.1
All-Tex 089	939	26.1	43.5	36.6	28.6	4.4	9.5	5.9	26.9	51	2.6
Hazera YD03-315	917	24.3	44.7	34.4	26.9	5.1	12.1	6.7	26.3	31	3.1
All-Tex 099	818	26.2	46.8	36.0	27.4	4.4	10.1	6.0	26.0	75	2.8
Mean	1152	27.9	45.2	38.0	29.7	4.4	9.7	6.2	27.0	54	2.5
C.V.%	10.8	3.6	3.4	1.1	3.4	4.2	3.7	3.1	2.0	19.9	9.3
LSD 0.05	150	1.8	2.7	0.8	1.8	0.3	0.6	0.3	0.9	13	0.3

Table 34A. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Pecos, TX, 2004.

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
Deltapine 455 BG/RR	3.9	1.08	80.5	28.0	5.5	3	76.6	7.6	31-2,41-1	0.5373	747.92	1
FiberMax 989	3.9	1.11	81.7	29.4	4.1	3	76.2	7.0	41-1	0.5420	741.46	2
Deltapine 445 BG/RR	4.3	1.10	82.5	27.7	7.5	2	76.3	6.5	41-1,41-2	0.5373	689.89	3
Hazera 14-08	3.4	1.33	84.4	33.4	5.8	5	70.3	9.4	41-4,42-1	0.4883	608.42	6
FiberMax 958	4.5	1.11	81.7	29.7	3.7	3	75.1	6.8	41-2	0.5410	663.27	4
Hazera 195	3.3	1.29	83.7	32.8	5.6	4	70.5	9.6	42-1	0.4788	581.26	7
Deltapine 449 BG/RR	4.2	1.08	81.3	27.7	4.7	2	76.5	6.3	41-2	0.5308	617.85	5
Hazera YD03-335	4.0	1.04	80.6	25.9	6.5	4	75.6	7.4	41-1	0.4978	578.44	8
Hazera 14-D4	4.1	1.08	81.3	26.3	6.0	3	73.3	7.4	41-1,51-1	0.5150	566.50	9
All-Tex 089	4.0	1.12	82.0	26.6	5.7	4	73.4	6.2	41-2,51-1	0.5090	477.95	11
Hazera YD03-315	3.6	1.12	82.5	28.7	5.4	3	75.2	6.7	41-1,41-2	0.5405	495.64	10
All-Tex 099	4.4	1.04	80.3	27.7	5.6	3	74.5	6.8	41-2	0.5100	417.18	12
Mean	3.9	1.12	81.8	28.6	5.5	3	74.4	7.3		0.5190		
C.V.%	6.6	1.1	0.9	2.5	5.1	19.6	1.4	5.3		3.2		
LSD 0.05	0.5	0.02	1.3	1.3	0.5	1	1.8	0.7		0.0293		

<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.