

Table 32. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Lubbock, TX, 2004.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-15-04	Resistance
Hazera 195-05	1324	27.5	44.1	39.4	31.1	4.1	11.7	8.3	19.6	78	2.2
Syngenta DX 241203	1181	29.9	45.6	42.7	31.3	5.3	9.6	7.5	30.4	77	2.9
FiberMax 958	1103	28.7	44.8	39.7	31.9	5.6	11.0	7.4	30.2	78	3.0
All-Tex 309	1100	26.1	46.3	36.2	27.2	5.1	11.0	6.6	28.0	82	2.9
Deltapine 455 BG/RR	1081	31.5	43.3	41.8	33.5	4.7	9.0	6.9	28.3	62	2.9
Hazera 1837	1078	27.2	47.7	35.8	29.2	5.5	11.5	6.8	28.9	78	3.5
All-Tex 310	1047	27.5	49.2	37.8	28.6	4.9	10.8	6.8	27.0	79	2.6
Deltapine 445 BG/RR	1045	31.2	43.7	43.6	33.0	5.0	9.0	7.4	29.4	64	2.8
Deltapine X 02T57R	1042	26.7	45.0	39.1	29.8	5.1	10.2	6.9	28.4	78	3.4
All-Tex 315	1038	27.0	47.1	39.0	30.0	4.8	10.6	7.1	26.4	71	2.8
Hazera 14-D4	1031	27.6	48.8	37.9	28.4	4.6	10.9	7.0	25.1	78	2.8
Beltwide Cotton Genetics P0204 B	1023	27.9	49.5	38.9	29.3	4.4	9.8	6.5	26.0	77	3.0
All-Tex 301 RR	1013	26.9	44.5	39.1	30.0	5.6	10.9	7.3	30.0	73	2.8
Deltapine 449 BG/RR	973	29.4	46.8	40.7	32.1	4.7	9.0	6.4	29.7	62	2.8
All-Tex 316 RR	971	27.7	46.4	40.1	30.2	4.7	8.6	6.0	31.2	69	2.9
All-Tex 312	971	25.5	47.9	37.5	29.4	5.2	10.7	6.7	28.9	86	2.8
Hazera 195	950	23.1	43.2	37.0	28.0	4.0	11.6	7.3	20.1	64	1.8
Beltwide Cotton Genetics P0104 B	949	25.7	48.1	36.6	28.2	4.5	9.6	5.8	28.8	73	3.0
All-Tex 313	948	26.1	48.1	36.4	27.6	5.2	9.9	6.0	31.6	89	2.9
All-Tex 302 RR	941	26.9	46.7	41.4	32.1	4.8	9.0	6.5	30.3	74	2.8
All-Tex 311	940	24.4	47.7	35.6	27.9	5.2	10.7	6.2	29.7	84	3.1
Beltwide Cotton Genetics P0304 B	933	30.7	46.6	39.2	30.5	4.4	9.8	6.5	26.6	61	3.2
Hazera 231-D4	923	25.0	47.6	37.1	30.8	6.1	13.1	8.1	28.0	74	2.8
All-Tex 307	919	26.1	43.9	39.2	30.1	5.4	10.9	7.4	28.8	82	2.8
All-Tex 308	915	23.7	48.6	34.2	26.2	5.6	11.9	6.5	29.4	77	3.6

Table 32. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-15-04	Resistance
Syngenta DX 0204C	908	25.5	51.0	36.8	28.7	5.1	10.8	6.6	28.3	86	3.7
All-Tex 317 RR	901	26.3	47.0	39.0	29.2	4.3	9.1	6.1	27.3	70	3.0
All-Tex 314	900	23.7	46.1	35.0	26.9	5.1	10.1	5.7	31.7	80	3.1
Deltapine 5415 RR	896	28.3	45.0	41.7	30.6	4.3	8.4	6.3	28.9	65	2.9
Hazera 244-D4	882	25.5	46.8	36.9	27.0	5.8	12.4	7.7	27.8	63	2.9
Hazera YD03-335	841	25.7	51.2	35.6	28.0	5.5	11.4	6.6	29.6	82	4.2
Hazera YD03-315	610	22.8	43.6	34.7	25.7	5.7	12.9	7.2	27.4	52	3.0
Mean	980	26.8	46.6	38.3	29.4	5.0	10.5	6.8	28.2	74	3.0
C.V.%	8.1	3.6	2.6	1.9	4.2	5.5	4.0	4.2	6.6	13.0	6.2
LSD 0.05	93	1.6	2.1	1.2	2.1	0.5	0.7	0.5	3.1	11	0.2

Table 32A. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Lubbock, TX, 2004.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre		
	naire	Length				Rd	+b			\$	Rank	
Hazera 195-05	3.8	1.24	82.5	36.1	5.1	5	58.6	9.1	62-2,63-1	0.4410	583.88	3
Syngenta DX 241203	3.9	1.15	82.3	29.5	5.0	3	74.7	7.4	41-1	0.5433	641.64	1
FiberMax 958	3.6	1.15	81.1	30.4	3.8	3	73.8	7.3	41-1,51-1	0.5203	573.89	4
All-Tex 309	4.1	1.08	81.6	28.4	6.5	5	72.4	7.2	41-2,51-1	0.4940	543.40	9
Deltapine 455 BG/RR	3.9	1.10	80.8	29.7	4.6	3	74.5	8.7	31-3,41-3	0.5465	590.77	2
Hazera 1837	3.4	1.04	80.7	27.0	7.0	4	74.2	7.8	41-1,41-2	0.4895	527.68	12
All-Tex 310	4.0	1.07	81.2	28.7	6.7	3	72.9	7.6	41-2	0.5318	556.79	6
Deltapine 445 BG/RR	3.9	1.11	82.0	28.3	6.9	3	74.9	8.0	31-2,41-2	0.5485	573.18	5
Deltapine X 02T57R	3.7	1.07	81.3	27.3	7.4	5	72.6	7.5	41-2	0.5118	533.30	10
All-Tex 315	4.1	1.09	81.8	32.0	3.8	4	70.8	7.2	51-1	0.4958	514.64	14
Hazera 14-D4	3.8	1.10	81.9	27.4	7.3	4	73.5	7.7	41-1,41-2	0.5370	553.65	7
Beltwide Cotton Genetics P0204 B	3.7	1.10	81.4	28.4	6.3	3	72.9	8.0	41-1,41-4	0.5370	549.35	8
All-Tex 301 RR	3.8	1.14	81.8	29.0	5.5	5	73.5	7.2	41-2	0.5180	524.73	13
Deltapine 449 BG/RR	4.0	1.12	81.8	30.1	4.5	3	74.9	7.0	41-1,41-2	0.5450	530.28	11
All-Tex 316 RR	3.6	1.07	80.5	29.1	6.4	4	72.1	7.5	41-2,51-1	0.5063	491.62	22
All-Tex 312	3.8	1.08	81.8	30.0	5.6	3	71.8	7.9	41-3,51-1	0.5135	498.61	19
Hazera 195	3.6	1.30	84.1	35.0	5.1	5	66.7	9.3	42-2,52-1	0.4825	458.38	28
Beltwide Cotton Genetics P0104 B	3.6	1.08	80.7	27.5	6.8	3	74.1	7.8	41-1	0.5303	503.25	17
All-Tex 313	3.6	1.10	82.0	27.2	7.0	4	70.6	7.8	41-4,51-1	0.4993	473.34	25
All-Tex 302 RR	3.7	1.09	80.7	27.6	6.2	3	73.2	7.2	41-2	0.5353	503.72	16
All-Tex 311	3.7	1.11	82.2	32.6	5.3	5	70.5	7.6	51-1	0.4933	463.70	27
Beltwide Cotton Genetics P0304 B	3.8	1.08	80.5	27.8	4.7	3	76.9	7.5	31-2,41-1	0.5460	509.42	15
Hazera 231-D4	3.6	1.12	83.1	27.4	6.2	3	73.5	7.8	41-1,41-2	0.5393	497.77	20
All-Tex 307	3.9	1.11	83.1	29.0	5.5	3	73.4	7.4	41-2	0.5435	499.48	18
All-Tex 308	3.8	1.14	82.6	28.9	5.5	4	72.5	7.2	41-2,51-1	0.5188	474.70	23

Table 32A. Cont.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre		
	naire	Length				Rd	+b			\$	Rank	
Syngenta DX 0204C	2.8	1.18	79.6	27.6	5.4	4	73.3	8.2	41-1,41-3	0.4675	424.49	29
All-Tex 317 RR	3.7	1.10	81.5	29.3	5.8	4	74.0	7.2	41-1,41-2	0.5210	469.42	26
All-Tex 314	3.5	1.08	81.9	28.8	6.2	5	70.7	7.0	51-1	0.4683	421.47	30
Deltapine 5415 RR	4.1	1.12	82.0	28.3	6.6	3	75.8	7.7	31-2,41-1	0.5503	493.07	21
Hazera 244-D4	3.8	1.11	82.0	27.6	6.0	4	72.0	7.5	41-2	0.5368	473.46	24
Hazera YD03-335	3.2	1.05	80.2	26.9	6.9	3	73.8	7.8	41-1,41-2	0.4690	394.43	31
Hazera YD03-315	3.7	1.15	82.1	30.0	4.9	4	74.1	7.1	41-2	0.5403	329.58	32
Mean	3.7	1.11	81.6	29.1	5.8	3	72.6	7.6		0.5160		
C.V.%	3.3	1.3	0.9	1.8	5.5	23.7	1.8	3.6		3.5		
LSD 0.05	0.2	0.02	1.2	0.9	0.5	1	2.2	0.5		0.0305		

^{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.