

Table 11. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2003.

Designation	Yield	Agronomic Properties							% Open	
		% Turnout		% Lint	Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Size	Index	Index	Boll	10-07-03	Resistance
Stoneville 5599 BR	1457	31.0	44.8	43.0	4.7	9.9	7.1	28.4	59	2.5
FiberMax 832 B	1441	28.7	43.8	40.0	4.5	8.9	6.1	29.1	47	2.5
Deltapine 493	1404	32.6	42.0	43.9	3.5	7.5	6.3	24.8	61	2.5
FiberMax 989 BR	1383	29.7	45.8	39.9	4.5	10.2	7.1	24.9	60	2.6
Stoneville 4793 R	1371	29.3	41.8	41.0	4.4	9.6	7.1	25.2	75	2.6
Deltapine 494 RR	1338	31.5	43.0	43.1	4.6	8.3	6.5	30.1	51	2.5
FiberMax 991 BR	1314	30.1	45.0	37.1	3.8	8.4	5.6	25.3	69	2.4
Stoneville 4892 BR	1313	29.7	41.2	40.6	4.0	9.8	7.1	23.0	74	2.5
Deltapine 458 B/RR	1290	28.2	44.1	39.5	3.9	8.0	5.5	27.8	68	2.6
Deltapine 488 BG/RR	1287	29.4	44.8	40.6	4.3	8.5	6.1	28.6	39	2.6
Stoneville 5303 R	1257	30.7	46.0	39.5	4.7	9.6	6.7	27.7	79	2.7
FiberMax 960 BR	1253	28.6	42.6	39.7	4.8	10.2	7.1	26.8	69	2.7
FiberMax 800 BR	1232	27.7	41.1	40.7	4.9	9.4	6.9	28.9	45	2.8
AFD 2485	1216	27.1	39.7	43.1	4.3	9.7	7.5	24.7	70	2.8
Stoneville 474	1210	29.7	41.4	41.9	4.4	9.2	7.0	26.1	72	2.5
Deltapine 468 BG2/RR	1203	27.1	48.2	35.7	4.2	8.7	5.1	28.9	74	2.7
Stoneville 4646 B2R	1202	28.8	44.5	39.2	4.4	9.9	6.8	25.3	70	2.4
Beltwide Cotton Genetics 28R	1201	29.8	45.5	39.8	3.8	8.0	5.6	27.1	71	2.7
Acala w1218	1193	25.6	41.1	37.9	4.3	10.4	6.6	24.7	64	2.6
Phytogen 72 Acala	1191	28.1	43.6	38.7	4.3	9.7	6.4	25.7	72	2.2
NM 970123	1103	27.7	39.7	40.5	4.4	10.1	7.3	24.4	81	2.3
Stoneville 5242 BR	1102	29.1	41.6	41.6	5.0	10.2	7.6	27.0	80	2.4
FiberMax 958 B	1083	23.7	40.1	38.8	4.6	9.2	6.3	28.1	55	2.6
Hazera Seed HA 14	1070	19.5	45.0	30.7	3.4	13.8	6.5	16.2	38	2.1
Acala 1517-99	1060	25.2	43.1	37.5	4.5	10.8	6.7	25.1	66	2.1

Table 11. Cont.

Designation	Yield	Agronomic Properties							% Open	
		% Turnout		% Lint	Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Size	Index	Index	Boll	10-07-03	Resistance
Beltwide Cotton Genetics 24R	1056	31.2	45.7	39.5	3.8	8.1	5.7	26.1	61	2.6
Paymaster 145	1047	29.9	46.5	37.4	4.5	10.2	6.5	25.9	73	2.8
Hazera Seed HA 175	1012	22.8	43.8	32.6	3.1	11.0	5.7	17.7	52	2.0
Acala 1517-95	996	22.7	40.4	35.7	4.4	11.5	6.7	23.5	68	2.3
All-Tex Top-Pick	990	25.5	43.3	36.6	4.3	9.7	5.9	26.8	64	2.4
Hazera Seed HA 195	987	22.0	40.9	38.2	3.4	10.6	6.7	19.3	53	2.0
All-Tex Excess RR	973	27.9	46.3	34.7	4.9	10.6	6.1	27.6	81	2.7
NM 970513	945	23.6	42.5	35.6	4.1	10.8	6.2	23.6	68	2.1
All-Tex Atlas	915	26.5	44.5	35.8	4.4	10.5	6.2	25.6	78	2.8
Stoneville 3990 BR	865	26.7	42.2	37.8	4.7	9.7	6.3	28.1	72	2.4
Mean	1170	27.6	43.2	38.8	4.3	9.7	6.5	25.7	64	2.5
C.V.%	12.4	3.1	2.6	3.5	4.9	3.6	5.2	4.5	16.3	6.3
LSD 0.05	171	1.4	1.9	2.3	0.4	0.6	0.6	2.0	12	0.2

Boll samples were picked not snapped.

Table 11A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2003.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 5599 BR	5.0	1.08	81.2	28.0	4.8	2	72.9	8.2	41-3,41-4	0.5110	744.53	3
FiberMax 832 B	4.4	1.18	82.5	32.1	5.1	2	76.5	6.8	41-1	0.5445	784.62	1
Deltapine 493	5.0	1.06	80.7	28.6	5.0	2	76.8	7.4	31-2,41-1	0.5085	713.93	5
FiberMax 989 BR	4.7	1.08	81.9	29.8	4.7	1	77.3	7.9	31-2	0.5430	750.97	2
Stoneville 4793 R	5.4	1.04	83.0	27.8	5.8	2	72.7	8.7	31-4,41-4	0.4518	619.42	18
Deltapine 494 RR	4.9	1.12	82.2	30.4	5.8	2	76.7	7.9	31-2,41-1	0.5283	706.87	7
FiberMax 991 BR	4.6	1.09	82.0	31.6	5.0	1	76.7	7.8	31-2	0.5545	728.61	4
Stoneville 4892 BR	5.4	1.08	83.0	28.7	5.9	3	71.9	8.1	41-4	0.4795	629.58	16
Deltapine 458 B/RR	4.6	1.14	81.8	31.3	5.0	2	74.1	7.8	31-2,41-4	0.5470	705.63	8
Deltapine 488 BG/RR	4.3	1.12	80.9	28.8	5.3	1	76.8	8.2	31-1,31-2	0.5528	711.45	6
Stoneville 5303 R	5.1	1.06	82.6	30.0	4.8	1	76.1	8.5	31-2,31-4	0.5205	654.27	14
FiberMax 960 BR	4.6	1.10	82.1	31.8	4.3	1	76.2	7.8	31-2,41-1	0.5498	688.90	10
FiberMax 800 BR	4.0	1.17	81.8	30.6	4.9	1	78.3	7.7	31-1,31-2	0.5628	693.37	9
AFD 2485	4.6	1.12	81.4	31.4	4.0	1	76.3	7.8	41-1	0.5423	659.44	13
Stoneville 474	5.5	1.07	82.2	27.6	5.2	1	73.5	8.4	41-3	0.4788	579.35	22
Deltapine 468 BG2/RR	4.3	1.11	80.3	28.9	6.1	1	78.3	7.8	31-1,31-2	0.5540	666.46	12
Stoneville 4646 B2R	4.8	1.09	81.8	28.1	5.6	2	73.8	8.1	41-1,41-3	0.5173	621.79	17
Beltwide Cotton Genetics 28R	4.9	1.11	81.5	27.0	5.3	1	76.0	7.6	31-2,41-1	0.5248	630.28	15
Acala w1218	4.3	1.15	81.2	31.6	5.5	4	69.6	7.9	51-1,51-3	0.5008	597.45	20
Phytogen 72 Acala	4.7	1.15	82.6	33.2	5.7	1	74.5	8.7	31-4	0.5628	670.29	11
NM 970123	4.4	1.20	84.0	36.1	4.4	1	76.0	7.6	41-1	0.5485	605.00	19
Stoneville 5242 BR	4.8	1.01	81.1	25.1	6.1	1	75.7	8.5	31-2,31-4	0.4685	516.29	29
FiberMax 958 B	3.8	1.09	82.1	30.3	4.7	2	76.0	8.0	31-2,41-1	0.5330	577.24	23
Hazera Seed HA 14	3.7	1.39	83.9	36.3	5.6	2	70.8	9.6	32-2,42-2	0.5298	566.89	24
Acala 1517-99	4.4	1.18	82.3	33.7	4.3	2	72.8	8.0	41-2,41-4	0.5468	579.61	21

Table 11A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Beltwide Cotton Genetics 24R	4.8	1.04	81.2	27.9	6.8	1	74.6	8.2	31-1,31-1	0.5075	535.92	28
Paymaster 145	5.2	1.02	82.0	28.5	4.8	3	72.7	7.8	41-1,41-2	0.4545	475.86	33
Hazera Seed HA 175	3.6	1.27	82.9	35.3	6.2	1	72.5	10.1	32-2	0.5318	538.18	27
Acala 1517-95	4.5	1.19	83.3	32.8	4.4	3	73.1	8.1	41-1,41-3	0.5470	544.81	25
All-Tex Top-Pick	4.4	1.14	81.1	29.0	5.8	1	76.0	8.3	31-2,41-1	0.5468	541.33	26
Hazera Seed HA 195	3.0	1.32	82.3	34.5	5.4	2	71.7	10.3	32-1,42-1	0.4878	481.46	32
All-Tex Excess RR	5.0	1.06	82.2	30.0	5.7	2	76.1	8.0	31-1,41-1	0.5138	499.93	31
NM 970513	4.4	1.13	82.3	32.8	5.3	2	75.7	7.9	31-2,41-1	0.5428	512.95	30
All-Tex Atlas	5.1	1.01	81.8	30.0	6.2	2	74.1	8.2	41-1,41-3	0.4580	419.07	34
Stoneville 3990 BR	4.9	1.01	81.3	25.0	6.2	1	75.7	8.1	31-2,41-3	0.4750	410.88	35
Mean	4.6	1.12	82.0	30.4	5.3	1	74.9	8.1		0.5220		
C.V.%	4.9	2.3	1.1	4.7	9.7	35.1	2.2	3.2		2.7		
LSD 0.05	0.4	0.04	1.5	2.4	0.9	1	2.7	0.4		0.0244		

^{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.