

Table 8. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	09-25-06	Resistance
FiberMax 966LL	1484	30.3	43.9	40.9	31.9	5.9	10.5	7.6	31.5	65	3.0
Stoneville 4892BR	1442	33.5	46.6	40.4	33.7	5.1	10.9	8.2	25.0	70	2.9
Phytogen 370 WR	1440	31.7	45.1	41.4	32.8	4.9	9.7	7.2	27.7	74	2.7
Deltapine 455 BG/RR	1371	35.0	45.7	43.2	35.5	4.4	7.6	6.1	30.9	64	2.8
FiberMax 958LL	1345	30.2	43.3	40.1	31.5	5.0	10.2	7.2	27.9	79	3.0
Paymaster 2326 RR	1322	31.1	51.4	38.3	32.1	4.9	10.4	6.7	28.2	86	3.1
FiberMax 955LLB2	1291	31.7	49.1	38.6	32.0	6.2	11.4	7.5	31.9	72	2.9
Dyna-Gro OA265 BR	1274	30.1	48.7	40.7	32.4	6.2	11.9	8.6	29.5	76	2.6
All-Tex Top-Pick	1273	29.5	48.6	38.1	29.9	5.3	9.8	6.3	31.6	79	2.6
AFD 5062LL	1269	31.7	48.1	38.6	31.9	5.5	11.0	7.4	28.6	80	2.9
Stoneville NG2448R	1266	29.0	47.2	37.2	30.2	5.1	10.5	6.6	28.8	83	3.1
Phytogen 310 R	1266	32.5	44.4	42.9	32.5	4.6	9.6	7.7	25.8	86	2.7
All-Tex Magnum RR	1256	31.7	45.9	40.2	32.9	4.9	9.0	6.3	31.2	80	2.8
Phytogen 470 WR	1237	28.5	42.0	39.0	28.6	4.1	9.7	6.6	23.9	81	2.8
Phytogen 72	1234	32.6	47.5	39.3	32.9	5.0	10.5	7.1	27.2	74	2.4
Americot 821R	1223	30.2	45.9	40.1	30.9	4.2	9.4	6.6	25.0	79	2.7
Paymaster 2266 RR	1221	27.7	46.1	37.1	29.5	6.5	10.9	6.8	30.9	80	3.0
Stoneville 5599BR	1213	30.0	44.4	41.7	34.2	5.7	10.1	7.6	31.1	71	2.8
Deltapine 444 BG/RR	1207	29.9	47.5	42.0	33.6	4.8	11.1	8.6	24.0	77	2.6
All-Tex Patriot RR	1202	26.7	43.8	37.1	29.2	4.9	9.8	6.0	29.6	75	2.9
All-Tex Atlas RR	1191	28.5	47.7	35.4	28.4	5.1	10.8	6.5	28.3	87	3.0
FiberMax 960RR	1171	30.1	41.0	41.7	33.7	6.6	11.4	8.5	32.3	74	3.0
FiberMax 958	1149	29.5	41.4	40.8	30.7	4.7	10.3	7.5	25.5	81	3.0
Deltapine 555 BR	1140	32.4	43.0	42.4	33.6	4.1	7.2	5.8	29.7	69	2.9
Paymaster 2167 RR	1140	29.8	46.1	39.0	31.6	4.6	9.4	6.4	27.9	87	3.0

Table 8A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2006.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 966LL	4.3	1.10	82.3	31.7	5.5	3	79.9	7.5	31-1,31-2	0.5505	816.94	1
Stoneville 4892BR	4.6	1.07	81.4	27.3	7.0	3	78.0	8.6	31-1	0.5398	778.39	3
Phytogen 370 WR	4.6	1.08	82.6	30.2	7.8	3	77.7	7.9	31-2	0.5558	800.35	2
Deltapine 455 BG/RR	4.0	1.10	80.2	28.3	6.5	3	81.3	7.2	31-1	0.5660	775.99	4
FiberMax 958LL	4.3	1.16	81.6	28.4	5.9	4	79.7	7.3	31-1,31-2	0.5595	752.53	5
Paymaster 2326 RR	4.5	1.06	82.0	29.5	7.9	4	76.8	8.1	31-1,41-1	0.5305	701.32	9
FiberMax 955LLB2	4.5	1.14	82.5	29.0	6.6	3	79.3	7.4	31-1,31-2	0.5693	734.97	6
Dyna-Gro OA265 BR	4.1	1.16	83.5	36.4	6.8	4	77.2	7.7	31-2,41-1	0.5500	700.70	10
All-Tex Top-Pick	4.3	1.11	81.3	28.5	7.0	3	77.9	8.2	31-1	0.5670	721.79	7
AFD 5062LL	4.5	1.04	81.2	27.4	6.8	5	75.9	7.4	41-1	0.5035	638.94	22
Stoneville NG2448R	4.3	1.08	82.8	31.6	7.2	4	76.9	7.5	31-1,41-2	0.5223	661.23	15
Phytogen 310 R	4.2	1.08	82.2	29.4	7.7	3	78.3	7.9	31-1,31-2	0.5448	689.72	12
All-Tex Magnum RR	3.9	1.09	81.7	27.5	7.5	3	80.8	7.7	21-1,31-1	0.5608	704.36	8
Phytogen 470 WR	4.3	1.08	82.1	28.4	8.8	4	76.1	8.1	31-2,41-1	0.5208	644.23	20
Phytogen 72	4.4	1.12	81.7	32.2	7.5	3	77.2	8.5	31-1,31-2	0.5625	694.12	11
Americot 821R	4.4	1.09	81.9	27.8	8.0	3	78.0	7.9	31-1,31-2	0.5568	680.97	13
Paymaster 2266 RR	4.5	1.05	82.4	30.8	7.6	4	77.4	7.7	31-2	0.5235	639.19	21
Stoneville 5599BR	4.4	1.09	80.9	28.8	6.5	3	78.5	8.1	31-1,31-2	0.5433	659.02	16
Deltapine 444 BG/RR	4.1	1.07	81.4	28.4	6.7	3	78.4	7.9	31-1,31-2	0.5455	658.42	17
All-Tex Patriot RR	4.2	1.12	81.2	26.3	7.4	3	78.7	7.9	31-1	0.5555	667.71	14
All-Tex Atlas RR	4.4	1.06	81.4	31.2	7.5	4	77.3	7.9	31-1,41-1	0.5235	623.49	26
FiberMax 960RR	4.1	1.07	81.6	31.7	5.8	3	80.0	7.8	31-1	0.5413	633.86	23
FiberMax 958	4.4	1.12	82.1	30.4	6.0	3	80.4	7.9	21-2,31-1	0.5640	648.04	18
Deltapine 555 BR	4.4	1.09	80.4	28.4	6.5	3	81.0	7.4	21-2,31-2	0.5450	621.30	27
Paymaster 2167 RR	4.6	1.01	81.5	27.4	7.1	3	77.3	7.9	31-2,41-1	0.5008	570.91	33

Table 8A. 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
FiberMax 960B2R	4.4	1.11	81.5	30.9	5.8	3	79.8	7.8	31-1	0.5480	624.17	25
FiberMax 989RR	4.0	1.09	81.3	31.7	6.8	3	80.0	7.8	31-1	0.5413	614.38	28
Deltapine 445 BG/RR	4.6	1.11	82.6	28.4	8.3	3	79.5	8.1	31-1	0.5573	631.42	24
FiberMax 989B2R	4.3	1.14	82.8	31.9	6.8	3	78.4	7.7	31-1,31-2	0.5730	646.34	19
Phytogen 440 W	4.4	1.11	82.6	29.5	8.3	4	77.3	8.0	31-2	0.5320	593.18	30
Deltapine 434 RR	4.0	1.11	81.1	27.2	8.0	3	79.7	7.8	21-2,31-1	0.5485	590.19	31
All-Tex Excess RR	4.4	1.04	81.2	27.6	7.4	4	76.3	7.9	41-1	0.5030	536.20	36
FiberMax 5044RR	4.1	1.09	81.9	29.2	7.6	3	78.6	8.0	31-1,31-2	0.5445	578.80	32
Raider 271	4.3	1.13	82.0	32.6	6.6	3	78.1	7.6	31-2	0.5728	598.00	29
Beltwide Cotton Genetics 24R	4.4	1.05	81.6	29.7	8.1	3	79.1	7.8	31-1	0.5358	543.84	35
Phytogen 480 WR	4.4	1.12	83.2	29.8	8.2	4	76.5	8.0	31-2,41-1	0.5478	546.70	34
Stoneville NG3969R	3.9	1.10	82.4	29.8	7.9	3	78.9	7.5	31-1,41-1	0.5418	520.13	37
All-Tex Xpress	4.4	1.08	81.8	29.6	6.4	3	78.5	7.6	31-1,31-2	0.5568	520.05	38
AFD 3511 RR	4.3	1.04	81.3	28.0	6.8	4	75.6	8.0	31-2,41-1	0.5203	456.30	39
Bronco 141	3.8	1.06	81.1	29.6	6.3	3	77.6	8.1	31-2,31-3	0.5258	449.56	40
Mean	4.3	1.09	81.8	29.5	7.1	3	78.3	7.8		0.5440		
C.V.%	5.3	2.3	0.9	5.2	5.1	9.1	1.1	4.6		2.7		
LSD 0.05	0.4	0.04	1.3	2.6	0.6	1	1.4	0.6		0.0249		

^{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 8. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-25-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 960B2R	1139	30.2	43.3	40.3	33.0	5.2	10.5	7.6	27.6	72	3.0
FiberMax 989RR	1135	29.1	40.2	41.7	30.1	4.7	9.6	7.2	27.2	68	2.6
Deltapine 445 BG/RR	1133	30.8	43.3	41.8	32.2	4.5	9.0	6.9	27.5	74	2.7
FiberMax 989B2R	1128	29.9	47.8	38.3	30.5	4.5	9.9	6.5	26.7	72	2.9
Phytogen 440 W	1115	25.4	36.6	40.4	31.1	4.4	9.9	7.0	25.0	80	2.7
Deltapine 434 RR	1076	32.1	46.7	46.2	37.3	4.9	8.7	7.1	31.8	69	2.9
All-Tex Excess RR	1066	27.9	46.7	37.3	29.7	4.9	10.5	6.7	27.4	81	3.0
FiberMax 5044RR	1063	29.6	46.4	38.5	29.7	5.0	10.2	6.9	27.7	82	3.0
Raider 271	1044	28.7	50.1	35.7	29.4	4.5	10.3	6.0	26.4	83	3.0
Beltwide Cotton Genetics 24R	1015	30.9	45.3	40.0	31.6	4.1	8.5	6.5	25.0	84	2.8
Phytogen 480 WR	998	25.4	40.1	37.3	26.8	4.3	9.4	6.0	26.5	84	2.7
Stoneville NG3969R	960	28.5	46.0	37.9	29.0	3.6	8.9	5.7	23.8	81	3.1
All-Tex Xpress	934	28.2	47.2	38.7	30.1	5.1	10.2	6.8	29.0	90	2.9
AFD 3511 RR	877	27.0	46.5	35.7	29.2	5.1	10.6	6.2	29.1	91	3.0
Bronco 141	855	28.6	43.1	37.9	29.2	5.2	10.0	6.4	30.5	87	3.0
Mean	1179	29.9	45.3	39.6	31.3	4.9	10.0	6.9	28.1	78	2.9
C.V.%	18.3	5.9	6.1	2.5	4.0	9.6	6.5	6.6	7.7	16.5	3.6
LSD 0.05	253	3.0	4.6	1.7	2.1	0.8	1.1	0.8	3.7	15	0.1