

Table 8. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

Designation	Yield	Agronomic Properties							% Open		
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-23-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 4575 BR	1559	31.5	44.6	39.9	30.4	4.2	8.7	6.2	26.8	59	2.2
Paymaster 2167 RR	1536	30.3	47.4	38.6	30.0	5.0	10.0	6.6	29.2	72	3.1
FiberMax 960 RR	1535	30.4	43.8	39.2	29.8	4.9	10.5	7.1	27.2	65	2.9
FiberMax 960 B2R	1534	29.5	44.8	39.2	30.3	4.9	10.4	7.0	27.6	54	2.7
Stoneville 5599 BR	1499	30.7	44.6	39.1	30.5	4.8	10.0	6.7	28.3	50	2.5
Deltapine 455 BG/RR	1493	32.8	44.2	42.0	32.5	4.3	8.2	6.4	28.9	51	2.3
FiberMax 958 LL	1493	29.2	44.3	39.4	30.3	5.1	10.4	7.1	28.1	57	2.7
FiberMax 989 BR	1485	29.4	45.3	38.6	29.8	5.3	10.8	7.1	29.0	48	2.7
Deltapine 445 BG/RR	1469	30.5	41.5	41.3	31.1	4.4	9.0	6.7	27.1	40	2.5
FiberMax 981 LL	1459	28.1	46.4	37.4	28.0	5.2	10.3	6.5	29.7	54	2.7
FiberMax 960 BR	1444	29.3	45.5	39.1	29.7	5.0	10.3	6.9	28.2	49	2.6
Deltapine 454 BG/RR	1426	31.3	43.0	40.8	28.3	3.9	8.1	6.2	25.9	59	1.8
Stoneville x0416B2R	1401	29.4	45.2	37.9	29.7	4.4	8.8	5.8	29.1	48	2.4
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	1385	27.3	45.8	37.0	28.3	5.2	11.2	7.0	27.7	59	2.8
Stoneville NG2448 R	1373	28.1	48.1	36.9	28.5	4.9	10.7	6.5	27.5	78	2.8
Stoneville 5303 R	1365	30.7	43.9	41.3	31.0	5.0	9.5	6.9	29.7	43	2.7
All-Tex Magnum RR	1362	29.0	44.1	40.3	30.0	4.0	8.5	6.0	26.6	44	2.7
FiberMax 989 RR	1360	29.8	45.0	40.1	30.4	5.2	9.8	6.9	30.4	42	2.5
FiberMax 958	1359	29.6	43.3	39.3	30.0	5.1	10.5	7.2	27.7	56	2.8
Stoneville 3664 R	1352	29.7	45.0	38.6	29.6	4.9	10.3	6.9	27.2	62	3.2
Stoneville 5242 BR	1348	30.6	42.8	40.8	30.7	5.2	10.6	7.6	27.5	42	2.1
All-Tex Patriot RR	1347	26.6	45.0	37.4	27.7	4.9	9.2	5.7	31.6	53	2.5
Paymaster 2266 RR	1346	27.1	48.3	34.7	26.4	5.4	11.8	6.7	28.2	59	2.8
Paymaster 2326 RR	1337	26.3	46.9	35.8	27.4	4.8	10.8	6.4	27.2	68	3.1
Stoneville 4892 BR	1329	29.1	43.0	40.1	30.4	4.6	10.0	7.1	25.7	50	2.5

Table 8. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-18-05	Resistance
FiberMax 5044 RR	1311	28.9	47.2	37.6	28.5	4.9	10.3	6.4	28.3	43	2.9
Deltapine 434 RR	1310	30.6	43.8	41.1	30.6	4.8	9.0	6.7	29.2	52	2.4
FiberMax 955 LLB2 (Tested as X0052 B2LL)	1308	27.7	46.3	37.5	27.8	5.4	11.4	7.1	28.1	50	2.8
Stoneville 4686 BR	1306	29.2	42.7	39.9	29.6	4.6	9.1	6.4	28.6	47	2.4
Deltapine 444 BG/RR	1304	28.4	40.5	41.8	31.1	4.6	8.8	6.7	28.8	55	2.0
Deltapine 494 RR	1304	28.4	43.5	40.0	30.9	5.1	9.6	6.8	29.9	49	2.8
Deltapine 555 BR	1303	32.3	43.6	41.9	31.8	3.6	7.4	5.7	26.5	31	2.6
Stoneville NG1553 R	1298	27.5	50.5	34.4	26.1	5.0	11.3	6.2	27.9	68	2.8
Beltwide Cotton Genetics 24R	1296	29.7	45.6	40.4	30.0	4.6	8.5	6.0	30.7	48	2.8
Deltapine 432 RR	1295	27.0	41.5	37.8	28.9	4.2	9.6	6.2	25.5	56	2.5
All-Tex Top-Pick	1291	28.2	47.2	38.2	27.3	4.7	9.4	6.0	29.8	46	2.7
PhytoGen 440 W	1290	28.4	43.0	38.6	29.1	4.6	9.9	6.7	26.5	67	2.6
H&W 520 RR	1283	27.7	50.8	36.3	28.1	5.2	10.9	6.5	29.1	65	2.8
All-Tex Atlas	1282	26.5	48.2	36.9	26.8	5.2	10.7	6.6	29.3	54	3.0
Deltapine 488 BG/RR	1277	28.8	44.1	42.0	32.2	5.2	9.7	7.2	30.5	39	2.7
FiberMax 5045 BR	1263	27.2	45.3	38.8	29.4	5.6	10.7	7.1	30.7	68	2.8
PhytoGen 480 WR	1261	26.4	43.8	37.3	28.2	3.9	9.2	5.8	25.0	51	2.3
FiberMax 989 B2R	1260	27.7	45.3	37.1	27.6	4.5	10.3	6.4	26.2	52	2.6
PhytoGen 470 WR	1250	27.2	42.7	38.1	28.4	4.1	9.5	6.3	24.8	60	2.5
PhytoGen 370 WR	1237	29.7	42.9	40.5	30.5	4.7	9.8	7.1	26.6	45	2.0
All-Tex Atlas RR	1234	27.9	46.2	36.5	27.6	4.8	10.3	6.2	28.1	65	3.2
Stoneville NG3969 R	1232	26.7	44.0	37.6	28.0	4.5	9.2	5.8	29.1	42	3.5
AFD 3602 RR	1229	27.4	45.3	37.8	28.5	5.5	10.7	6.8	30.5	34	2.9
FiberMax 5013	1215	29.2	46.3	38.0	27.7	5.0	10.1	6.6	29.1	61	3.1
Acala 1517-99	1149	27.0	45.2	37.2	27.9	5.5	11.3	7.1	28.7	62	1.9

Table 8. Cont.

Designation	Agronomic Properties										
	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	% Open	
		Lint	Seed	Picked	Pulled					Bolls 10-18-05	Storm Resistance
All-Tex Warrior RR	1145	26.9	46.3	36.4	28.0	4.7	9.4	5.7	30.1	51	2.6
All-Tex AT317 RR	1131	26.6	45.4	36.2	27.5	4.5	9.9	5.9	27.9	56	3.0
AFD 3511 RR	1121	26.4	48.3	33.9	26.3	5.1	11.5	6.2	28.0	68	3.1
All-Tex Excess RR	1121	24.6	45.6	35.1	26.4	5.8	10.5	6.0	34.0	51	3.3
PhytoGen 72	1026	27.6	43.6	38.5	28.9	4.6	10.4	6.9	25.7	70	2.0
Mean	1326	28.6	45.0	38.5	29.1	4.8	9.9	6.5	28.3	54	2.7
C.V.%	8.5	4.7	4.5	1.8	2.7	7.4	4.3	4.2	8.6	23.4	8.5
LSD 0.05	131	2.3	3.4	1.2	1.3	0.6	0.7	0.5	4.0	15	0.3

Table 8A. Results of the irrigated regional cotton variety 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
Stoneville 4575 BR	4.1	1.09	81.4	27.7	9.7	4	74.8	8.3	31-2,41-3	0.5403	842.33	2
Paymaster 2167 RR	4.5	1.03	82.1	27.9	6.7	2	75.7	7.9	31-2,41-1	0.5113	785.36	11
FiberMax 960 RR	3.3	1.12	81.6	29.8	5.0	2	76.3	7.9	31-2	0.5378	825.52	6
FiberMax 960 B2R	3.6	1.13	79.8	30.0	4.6	2	75.8	7.4	41-1	0.5448	835.72	3
Stoneville 5599 BR	3.9	1.08	80.6	28.4	6.1	3	74.7	8.3	31-2,41-3	0.5440	815.46	7
Deltapine 455 BG/RR	4.0	1.12	81.7	28.7	6.2	2	74.9	8.9	31-3,41-3	0.5555	829.36	5
FiberMax 958 LL	3.8	1.10	80.6	30.2	5.3	3	74.3	7.8	41-1	0.5433	811.15	8
FiberMax 989 BR	3.8	1.13	80.8	29.1	5.4	2	76.8	8.0	31-2	0.5715	848.68	1
Deltapine 445 BG/RR	4.0	1.10	81.7	27.6	8.4	2	76.8	8.2	31-2	0.5653	830.43	4
FiberMax 981 LL	3.7	1.12	81.1	29.4	5.8	2	73.8	7.6	41-1,41-2	0.5430	792.24	9
FiberMax 960 BR	3.7	1.13	82.6	30.6	5.0	3	74.4	7.8	41-1	0.5455	787.70	10
Deltapine 454 BG/RR	3.4	1.07	80.2	27.9	6.9	4	73.8	7.3	41-1,41-2	0.4978	709.86	36
Stoneville x0416B2R	4.1	1.09	81.7	27.8	6.0	4	73.6	7.6	41-1,41-2	0.5283	740.15	19
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	3.9	1.08	82.3	28.1	6.3	4	70.8	7.3	41-2,51-2	0.5100	706.35	38
Stoneville NG2448 R	3.9	1.10	83.3	29.9	7.1	2	74.4	8.3	41-1,41-3	0.5485	753.09	15
Stoneville 5303 R	4.4	1.07	82.8	29.3	6.4	2	77.5	8.2	31-1	0.5528	754.57	14
All-Tex Magnum RR	4.0	1.08	80.9	27.3	7.9	2	79.0	7.9	31-1	0.5523	752.23	16
FiberMax 989 RR	3.5	1.13	81.0	29.7	5.4	2	76.1	7.9	31-2,41-1	0.5473	744.33	18
FiberMax 958	4.1	1.14	81.7	29.6	4.9	2	78.6	7.4	31-2	0.5725	778.03	12
Stoneville 3664 R	4.2	1.04	82.2	27.2	7.7	3	76.0	8.2	31-2	0.5308	717.64	33
Stoneville 5242 BR	4.2	1.07	81.8	26.2	8.2	2	77.7	8.2	31-1	0.5523	744.50	17
All-Tex Patriot RR	3.8	1.13	81.1	27.4	6.8	2	79.2	8.0	21-2,31-1	0.5745	773.85	13
Paymaster 2266 RR	4.3	1.08	81.8	28.2	7.5	3	74.8	7.5	41-1,41-2	0.5283	711.09	34
Paymaster 2326 RR	4.4	1.07	82.9	29.2	7.3	3	72.7	7.9	41-1,41-4	0.5278	705.67	40
Stoneville 4892 BR	4.2	1.08	82.6	27.4	7.0	2	74.4	8.5	31-2,41-3	0.5413	719.39	31

Table 8A. Cont.

Designation	Micro-	Uni-	Elon-	Leaf	Color	Loan	Gross Loan Value per Acre					
	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade ^{1/}	Value	\$	Rank
FiberMax 5044 RR	3.7	1.08	80.7	26.5	8.2	2	78.9	8.4	21-1,31-1	0.5643	739.80	20
Deltapine 434 RR	3.9	1.14	79.2	25.8	7.9	2	77.7	7.9	31-2	0.5630	737.53	21
FiberMax 955 LLB2 (Tested as X0052 B2LL)	3.7	1.20	82.1	28.3	5.5	2	76.5	8.0	31-1,41-1	0.5598	732.22	23
Stoneville 4686 BR	4.2	1.09	80.9	27.2	10.1	2	73.8	8.3	31-4,41-4	0.5498	718.04	32
Deltapine 444 BG/RR	3.6	1.12	81.6	27.5	7.1	2	76.3	7.8	31-2,41-1	0.5518	719.55	30
Deltapine 494 RR	3.9	1.15	82.2	29.5	6.7	2	74.7	8.2	31-4,41-1	0.5600	730.24	24
Deltapine 555 BR	3.8	1.09	79.2	28.5	5.4	2	79.2	7.1	31-2	0.5600	729.68	25
Stoneville NG1553 R	3.6	1.16	82.5	30.1	7.6	3	76.4	7.7	31-2,41-1	0.5575	723.64	27
Beltwide Cotton Genetics 24R	3.9	1.08	81.5	27.3	8.4	2	79.1	7.6	31-1	0.5625	729.00	26
Deltapine 432 RR	4.2	1.10	83.0	26.4	9.2	3	74.0	8.4	31-2,41-3	0.5563	720.41	28
All-Tex Top-Pick	4.0	1.14	81.0	27.6	7.5	2	78.1	8.1	31-1	0.5705	736.52	22
PhytoGen 440 W	4.1	1.11	81.9	27.0	8.6	4	73.9	7.9	41-1,41-2	0.5385	694.66	41
H&W 520 RR	4.1	1.13	83.6	29.7	6.6	3	74.1	8.3	31-2,41-3	0.5615	720.40	29
All-Tex Atlas	4.2	1.08	82.7	28.2	7.9	2	75.4	8.1	31-2,41-1	0.5523	708.05	37
Deltapine 488 BG/RR	3.7	1.12	80.9	28.4	6.6	2	76.4	8.3	31-1,41-3	0.5563	710.40	35
FiberMax 5045 BR	3.6	1.07	82.2	27.7	7.7	2	75.7	8.7	31-2,31-4	0.5313	671.03	45
PhytoGen 480 WR	3.9	1.11	81.6	27.4	8.5	4	72.7	7.8	41-2,41-4	0.5353	675.01	44
FiberMax 989 B2R	3.7	1.14	82.5	29.2	5.4	2	75.8	8.3	31-2,41-1	0.5605	706.23	39
PhytoGen 470 WR	3.9	1.09	81.1	26.8	8.5	4	74.4	8.0	41-1	0.5325	665.62	47
PhytoGen 370 WR	4.0	1.07	80.7	26.3	7.4	3	72.4	8.6	41-3	0.5230	646.95	49
All-Tex Atlas RR	4.0	1.07	81.9	27.6	7.3	2	77.1	7.8	31-2,41-1	0.5408	667.35	46
Stoneville NG3969 R	3.5	1.13	81.5	29.2	7.5	2	78.9	7.9	31-1	0.5585	688.07	42
AFD 3602 RR	3.9	1.08	81.8	28.2	5.9	2	77.6	8.1	31-1,31-2	0.5535	680.25	43
FiberMax 5013	4.5	1.05	81.6	28.3	7.5	2	76.1	8.3	21-4,41-1	0.5363	651.60	48
Acala 1517-99	4.0	1.20	83.2	32.1	5.5	4	74.8	7.3	41-1,41-2	0.5475	629.08	50

Table 8A. Cont.

Micro- Uni- Elon- Leaf Color Loan Gross Loan Value per Acre

Designation	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade ^{1/}	Value	\$	Rank
All-Tex Warrior RR	3.9	1.11	80.0	26.6	6.6	2	75.2	7.7	41-1	0.5405	618.87	51
All-Tex AT317 RR	4.1	1.11	81.8	29.8	7.6	2	75.4	7.9	41-1	0.5455	616.96	53
AFD 3511 RR	4.4	1.07	82.9	27.5	6.9	2	75.6	8.1	31-2,41-1	0.5335	598.05	54
All-Tex Excess RR	3.9	1.10	82.3	28.1	7.7	3	77.1	7.3	31-2,41-1	0.5505	617.11	52
PhytoGen 72	4.3	1.17	82.7	30.6	7.0	2	74.6	8.1	31-2,41-3	0.5628	577.43	55
Mean	3.9	1.10	81.6	28.3	7.0	2	75.7	7.9		0.5470		
C.V.%	3.5	1.5	1.0	2.4	3.8	26.2	1.7	3.0		2.3		
LSD 0.05	0.2	0.03	1.3	1.1	0.4	1	2.1	0.4		0.0208		

^{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.