

Table 8. Results of the irrigated regional cotton variety 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
Deltapine 434 RR	1234	32.3	44.4	42.4	32.3	5.1	9.4	7.3	29.3	83	3.0
Paymaster 2167 RR	1230	29.6	47.6	37.2	29.2	5.4	10.4	6.5	30.6	85	3.1
Stoneville 4575 BR	1217	30.5	44.8	42.3	33.0	5.3	9.9	7.6	29.0	64	2.4
FiberMax x2031 LL	1196	30.1	45.3	40.3	30.5	5.5	10.7	7.6	29.3	82	3.0
FiberMax 989 BR	1186	28.4	45.0	39.6	30.7	5.1	10.9	7.5	27.0	74	2.9
Stoneville 2454 R	1173	29.8	43.8	42.7	32.9	5.8	11.7	9.0	27.4	61	2.6
FiberMax 960 BR	1170	29.8	45.3	41.6	32.3	4.8	10.3	7.6	26.2	82	3.0
FiberMax 989 RR	1160	29.9	45.1	40.8	31.6	5.3	9.9	7.1	30.4	74	2.8
Paymaster 2266 RR	1150	27.0	48.4	35.0	27.2	6.0	12.4	7.0	29.8	81	3.2
Stoneville 5599 BR	1150	30.6	45.7	40.9	31.6	5.8	10.1	7.3	32.1	72	2.9
Deltapine 494 RR	1149	32.8	46.1	41.5	32.5	5.2	9.8	7.3	29.2	73	2.8
FiberMax 958 LL	1142	28.4	45.3	41.1	31.2	5.4	10.5	7.7	28.8	78	2.7
FiberMax 958	1140	30.1	45.5	40.9	31.2	5.4	10.9	7.9	28.0	78	2.9
Stoneville 5242 BR	1128	31.1	43.0	42.2	33.0	6.2	11.8	9.0	28.9	75	2.5
Stoneville NG3969 R	1125	27.9	48.1	39.8	29.9	4.6	9.3	6.5	28.8	67	3.5
Stoneville 4686 R	1122	29.9	44.0	42.3	32.7	5.2	9.7	7.5	29.2	65	2.6
Deltapine 432 RR	1119	29.6	46.6	40.9	31.2	4.6	9.4	6.9	27.4	61	2.8
Stoneville 4793 R	1118	30.2	43.2	41.9	31.9	4.6	10.1	7.8	25.0	69	2.7
TTU Tejas 94-6-6-4	1116	28.5	45.8	39.0	30.0	4.8	9.9	6.6	28.4	74	3.0
FiberMax 960 B2R	1113	28.2	44.9	40.7	31.6	5.2	10.1	7.3	29.5	63	2.9
Stoneville NG2448 R	1107	27.1	46.8	36.6	27.8	5.2	11.2	6.7	28.3	92	3.4
Stoneville 5303 R	1105	30.5	43.4	44.1	33.7	5.0	9.7	7.8	28.6	66	2.7
Stoneville 4646 B2R	1099	28.6	45.2	40.5	31.6	5.1	10.2	7.3	28.3	67	2.8
Stoneville 3664 R	1084	29.5	45.4	41.1	31.9	5.0	10.5	7.7	26.6	89	3.5
All-Tex Atlas	1082	25.7	48.1	34.1	26.3	5.6	11.8	6.4	29.3	85	3.0

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	10-15-04	Resistance
Stoneville 4892 BR	1080	30.7	43.6	41.7	32.2	4.7	10.5	7.9	25.0	66	2.9
FiberMax 960 RR	1076	30.5	45.4	37.1	29.3	5.4	11.8	7.3	27.4	81	3.3
Beltwide Cotton Genetics 24 R	1074	30.0	45.4	41.2	31.9	4.3	8.9	6.6	26.4	77	3.0
Paymaster 2326 RR	1073	26.8	47.3	35.7	27.1	5.2	11.2	6.6	28.3	76	3.2
All-Tex 304 RR	1070	28.7	45.6	40.6	28.5	4.4	9.8	7.1	25.0	69	2.5
All-Tex 306 RR	1058	29.8	46.5	40.4	30.1	5.2	9.6	6.9	30.5	79	2.7
Beltwide Cotton Genetics 50 R	1052	26.5	46.8	37.5	28.7	5.3	11.1	6.9	28.6	83	2.9
Deltapine 444 BG/RR	1045	28.0	42.6	41.9	32.4	4.4	9.8	7.5	24.5	83	2.5
All-Tex Top-Pick	1023	26.9	44.8	38.8	29.2	5.0	10.6	7.0	28.1	62	2.7
Deltapine 488 BG/RR	1019	30.9	44.5	43.7	33.8	5.2	8.7	7.1	28.9	76	2.8
Stoneville 474	1016	30.4	43.0	43.1	33.3	4.5	10.2	8.2	23.6	79	2.6
AFD 3602 RR	1016	27.4	46.6	39.7	29.3	5.6	11.2	7.6	29.1	87	3.1
All-Tex Atlas RR	1014	26.9	48.6	35.8	28.0	5.4	11.4	6.7	28.5	78	3.3
Stoneville x3636 B2R	974	28.8	43.9	39.9	30.9	5.4	10.8	7.5	28.4	76	2.8
Beltwide Cotton Genetics 520 RR	972	26.2	49.4	36.3	29.3	6.3	12.0	7.2	31.8	86	3.0
All-Tex Warrior RR	962	27.2	47.6	37.4	28.1	4.4	9.7	6.1	27.2	82	3.1
All-Tex Patriot RR	962	27.3	46.5	38.8	28.8	4.7	9.6	6.4	28.7	75	3.1
PhytoGen 410 R	961	27.2	45.2	41.1	31.3	5.3	10.2	7.4	29.4	62	2.6
FiberMax 5044 RR	960	27.1	48.0	38.1	29.5	5.6	10.5	6.7	31.8	82	3.3
All-Tex 005	959	27.1	47.2	36.6	26.5	5.1	11.3	6.9	26.8	82	2.9
FiberMax 5045 RR	958	27.4	46.2	37.1	28.3	5.4	10.7	6.6	30.5	84	3.5
Stoneville NG1553 R	956	24.5	47.1	35.4	27.7	5.8	11.4	6.5	31.4	88	3.3
FiberMax 5035 LL	946	23.6	45.0	36.4	27.3	4.7	10.1	6.1	27.9	88	2.8
Deltapine 458 B/RR	941	29.5	46.2	38.8	30.4	4.6	9.4	6.2	28.5	65	2.8
Stoneville x5454 B2R	910	26.9	45.5	39.3	30.0	4.9	10.0	6.8	28.1	73	2.8

Table 8. Cont.

Agronomic Properties

% Open

Designation	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-15-04	Storm Resistance
		Lint	Seed	Picked	Pulled						
Acala 1517-99	903	27.1	45.6	38.3	29.2	4.9	11.3	7.4	25.4	69	2.2
Beltwide Cotton Genetics 30 R	893	27.1	47.3	35.6	27.8	4.6	9.9	5.7	28.6	73	3.0
Beltwide Cotton Genetics 28 R	890	27.9	47.1	41.9	32.5	4.8	9.2	6.8	29.8	77	2.9
FiberMax 5013	865	26.8	45.7	36.9	28.1	4.8	11.1	6.9	25.5	79	3.0
TTU Hol 338-276-6-4-1	852	24.1	43.7	38.6	27.1	6.7	12.5	8.2	31.5	55	2.9
FiberMax 819 RR	846	28.7	41.9	41.9	32.6	4.1	8.8	6.7	25.4	86	2.8
Stoneville 6636 BR	835	28.6	46.3	41.2	31.4	5.5	9.4	6.9	32.5	70	2.4
Tamcot Luxor	798	26.6	43.7	37.7	27.1	5.7	11.5	7.4	29.2	83	2.7
All-Tex Excess RR	795	26.1	47.0	37.8	31.2	6.3	11.1	7.0	33.7	85	3.1
Stoneville 6848 R	792	27.6	43.3	40.7	31.4	4.8	9.4	6.8	28.5	68	2.1
Mean	1036	28.4	45.6	39.5	30.3	5.1	10.4	7.1	28.5	76	2.8
C.V.%	8.6	3.0	2.4	3.1	3.1	6.5	4.5	4.2	7.7	15.3	5.2
LSD 0.05	104	1.4	1.8	2.0	1.6	0.6	0.8	0.5	3.7	14	0.2

Table 8A. Results of the irrigated regional cotton variety 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	
Deltapine 434 RR	3.8	1.11	80.9	25.8	7.1	4	73.9	6.9	41-2	0.5303	654.39	1
Paymaster 2167 RR	4.4	1.01	81.9	28.0	7.8	4	72.3	7.8	41-1,41-2	0.4813	592.00	13
Stoneville 4575 BR	3.9	1.11	82.3	27.9	8.2	4	73.4	8.1	41-1,41-3	0.5370	653.53	2
FiberMax x2031 LL	4.0	1.16	83.3	31.2	3.6	4	73.8	6.5	41-2,51-1	0.5190	620.72	7
FiberMax 989 BR	3.6	1.13	81.6	29.3	4.8	4	75.2	6.6	41-1,41-2	0.5385	638.66	3
Stoneville 2454 R	4.2	1.07	81.8	27.7	7.8	3	74.4	7.5	41-1,41-2	0.5315	623.45	6
FiberMax 960 BR	3.7	1.11	80.5	30.9	3.8	3	74.1	6.7	41-2	0.5420	634.14	4
FiberMax 989 RR	3.5	1.15	81.6	30.5	3.8	3	74.2	6.3	41-2	0.5325	617.70	9
Paymaster 2266 RR	4.1	1.07	81.2	28.7	6.6	5	70.7	7.3	41-2,51-1	0.4885	561.78	26
Stoneville 5599 BR	3.9	1.09	80.6	29.8	4.6	5	71.8	7.6	41-1,51-1	0.5020	577.30	17
Deltapine 494 RR	3.9	1.12	81.2	30.2	5.1	3	74.4	7.2	41-1,41-2	0.5435	624.48	5
FiberMax 958 LL	3.7	1.15	82.1	31.2	4.2	4	71.5	6.1	41-2,51-2	0.5193	593.04	12
FiberMax 958	4.0	1.15	82.4	30.5	4.1	3	73.8	7.2	41-2	0.5428	618.79	8
Stoneville 5242 BR	4.3	1.05	80.8	26.9	7.0	3	73.6	7.8	41-1,41-2	0.5123	577.87	16
Stoneville NG3969 R	3.6	1.12	83.1	28.4	6.5	3	72.6	7.3	41-1,51-1	0.5180	582.75	14
Stoneville 4686 R	3.8	1.10	81.3	27.8	5.5	3	74.3	7.3	41-2	0.5380	603.64	10
Deltapine 432 RR	4.1	1.11	81.9	28.4	7.5	4	73.0	7.1	41-2	0.5200	581.88	15
Stoneville 4793 R	4.6	1.07	80.8	27.4	6.8	3	70.8	7.7	41-2,51-3	0.5078	567.72	22
TTU Tejas 94-6-6-4	4.2	1.13	82.6	30.0	5.2	5	71.8	7.1	41-2,51-1	0.5123	571.73	20
FiberMax 960 B2R	3.3	1.16	80.7	31.2	3.2	3	74.3	6.3	41-2	0.5150	573.20	19
Stoneville NG2448 R	3.4	1.10	82.4	29.5	6.2	3	70.1	7.5	51-1,51-3	0.4785	529.70	36
Stoneville 5303 R	4.2	1.08	82.7	30.4	5.0	2	74.8	7.5	41-1	0.5373	593.72	11
Stoneville 4646 B2R	3.8	1.10	81.2	27.7	6.5	4	71.0	7.7	41-2,51-1	0.5083	558.62	29
Stoneville 3664 R	3.7	1.02	81.6	26.1	6.0	4	70.5	7.6	41-4,51-1	0.4815	521.95	37
All-Tex Atlas	4.0	1.07	83.1	29.6	6.8	4	72.9	7.9	41-1,41-2	0.5220	564.80	24

Table 8A. Cont.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
	naire	Length				Index						\$	Rank
Stoneville 4892 BR	4.5	1.07	81.2	28.5	5.8	4	73.6	8.2	31-4,41-4	0.5183	559.76	28	
FiberMax 960 RR	3.4	1.14	80.7	30.8	3.5	3	75.0	6.8	41-2	0.5338	574.37	18	
Beltwide Cotton Genetics 24 R	4.0	1.06	81.7	28.4	7.8	3	75.1	7.1	41-1,41-2	0.5220	560.63	27	
Paymaster 2326 RR	4.4	1.07	83.0	29.4	6.3	4	72.1	7.6	41-2	0.5283	566.87	23	
All-Tex 304 RR	4.1	1.07	81.4	27.5	7.0	5	73.5	7.6	41-2	0.4995	534.46	34	
All-Tex 306 RR	4.1	1.08	82.0	27.7	7.4	3	73.9	7.7	41-1,41-2	0.5315	562.33	25	
Beltwide Cotton Genetics 50 R	4.0	1.10	81.4	28.7	6.4	3	74.1	7.0	41-1,41-2	0.5398	567.87	21	
Deltapine 444 BG/RR	3.6	1.11	81.5	26.7	6.8	3	73.2	6.9	41-2,51-1	0.5093	532.22	35	
All-Tex Top-Pick	4.0	1.14	81.3	28.8	5.7	3	74.9	6.8	41-2	0.5410	553.44	30	
Deltapine 488 BG/RR	3.8	1.13	81.7	29.5	5.3	4	73.0	7.1	41-2	0.5398	550.06	31	
Stoneville 474	4.4	1.10	81.8	28.0	5.5	3	72.6	8.0	41-1,41-4	0.5368	545.39	33	
AFD 3602 RR	3.8	1.09	81.0	30.0	5.4	3	74.1	7.5	41-1,41-2	0.5408	549.45	32	
All-Tex Atlas RR	3.8	1.04	81.1	29.3	6.4	4	71.6	7.4	41-2,51-1	0.4905	497.37	42	
Stoneville x3636 B2R	4.2	1.06	80.0	26.8	5.5	3	71.9	7.6	41-2	0.5183	504.82	40	
Beltwide Cotton Genetics 520 RR	4.0	1.10	83.5	30.3	5.5	4	70.1	7.3	51-1,51-3	0.5015	487.46	45	
All-Tex Warrior RR	3.6	1.11	81.3	28.6	5.4	4	72.7	7.4	41-1,51-1	0.5078	488.50	44	
All-Tex Patriot RR	3.6	1.13	80.5	28.4	5.6	3	74.2	7.2	41-2	0.5393	518.81	38	
PhytoGen 410 R	4.0	1.10	81.7	27.9	6.8	4	68.8	7.1	51-1,51-2	0.4908	471.66	49	
FiberMax 5044 RR	3.5	1.08	81.2	27.6	8.0	3	73.6	7.4	41-2	0.5193	498.53	41	
All-Tex 005	3.9	1.06	81.7	29.5	5.3	5	70.9	7.1	51-1	0.4775	457.92	53	
FiberMax 5045 RR	3.5	1.06	81.8	28.0	7.0	4	72.4	7.6	41-2,41-4	0.5075	486.18	46	
Stoneville NG1553 R	3.4	1.17	83.5	29.2	6.6	4	72.9	7.3	41-2	0.5038	481.63	47	
FiberMax 5035 LL	3.4	1.06	81.6	27.4	9.0	5	70.1	6.8	51-1,51-2	0.4540	429.48	56	
Deltapine 458 B/RR	4.0	1.11	81.3	30.1	5.7	2	76.1	7.2	41-1	0.5430	510.96	39	
Stoneville x5454 B2R	3.5	1.10	80.8	28.8	6.5	3	72.4	7.7	41-2	0.5383	489.85	43	

Table 8A. Cont.

Designation	Micro-		Uni-	Strength	Elon-	Leaf		Rd	+b	Color	Loan	Gross Loan Value per Acre	
	naire	Length				formity	gation					Index	Grade ^{1/}
Acala 1517-99	3.8	1.18	83.8	31.4	4.8	4	71.4	7.1	41-2,51-1	0.5223	471.64	50	
Beltwide Cotton Genetics 30 R	3.7	1.13	80.4	27.7	5.0	3	73.5	7.2	41-2	0.5375	479.99	48	
Beltwide Cotton Genetics 28 R	3.6	1.11	80.3	27.9	5.1	3	71.1	7.4	41-2,51-3	0.5168	459.95	52	
FiberMax 5013	4.4	1.05	83.2	29.7	6.6	5	71.4	6.8	51-1	0.4850	419.52	57	
TTU Hol 338-276-6-4-1	3.8	1.24	85.6	33.9	4.4	3	74.7	7.2	41-1,41-2	0.5518	470.13	51	
FiberMax 819 RR	3.7	1.12	81.9	29.4	5.4	4	71.9	5.8	51-1,51-2	0.4910	415.39	58	
Stoneville 6636 BR	3.9	1.15	82.0	30.3	4.6	3	71.8	7.4	41-2,51-1	0.5225	436.29	54	
Tamcot Luxor	3.9	1.08	82.5	28.7	5.3	4	69.6	8.0	51-3	0.4978	397.24	60	
All-Tex Excess RR	3.9	1.08	81.4	29.0	6.4	3	72.7	7.3	41-1,51-1	0.5120	407.04	59	
Stoneville 6848 R	4.3	1.13	83.2	31.8	4.5	2	72.5	7.7	41-2,41-4	0.5458	432.27	55	
Mean	3.9	1.10	81.8	30.0	5.8	3	72.8	7.2		0.5180			
C.V.%	3.9	1.7	0.8	3.0	7.0	22.7	1.7	3.8		3.8			
LSD 0.05	0.2	0.03	1.1	1.4	0.7	1	2.0	0.5		0.0335			

^{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.