

Table 11. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2002.

Designation	Yield	Agronomic Properties								% Open 9-26-02	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
FiberMax 989 BR	1093	29.4	43.4	38.4	29.0	4.5	10.0	6.6	26.4	69	2.5
FiberMax 958	1035	29.3	43.1	39.9	31.3	5.1	9.3	6.5	30.9	66	3.1
FiberMax 5015	1000	27.9	45.3	37.4	28.5	4.8	9.3	5.9	30.4	68	2.8
FiberMax 966	974	29.7	44.0	40.7	31.2	5.1	10.2	7.3	28.0	73	2.7
Deltapine 491	951	31.4	42.6	41.5	31.8	4.8	8.8	6.7	29.2	50	2.4
FiberMax 960 BR	943	28.5	44.1	39.1	30.1	4.9	9.6	6.6	29.2	72	2.6
Paymaster 2200 RR	939	28.3	46.9	35.4	28.0	5.2	10.5	6.0	30.9	75	3.2
AFD 2070	938	28.4	45.3	39.1	30.1	4.9	9.4	6.4	29.6	70	2.9
Paymaster 2167 RR	936	29.4	46.8	38.5	30.3	4.8	8.8	5.8	31.9	90	3.2
Texas 28R	930	31.4	41.8	41.1	32.6	4.2	7.8	5.9	29.3	70	2.5
All-Tex Atlas	922	26.5	45.5	36.0	28.1	5.2	9.8	5.8	32.4	65	2.9
FiberMax 5024 BXN	913	27.5	45.9	37.6	28.2	4.4	9.4	6.1	27.0	74	3.2
Stoneville 457	909	28.0	42.5	39.4	29.8	4.3	8.6	6.1	27.5	52	2.4
Paymaster 2379 RR	906	29.4	45.9	38.1	28.8	4.5	9.7	6.3	27.0	79	3.0
PhytoGen 98M-2983	904	28.3	40.6	42.1	31.6	4.4	8.9	6.9	26.7	69	2.3
Paymaster 2326 RR	901	27.9	47.6	37.1	29.0	4.9	9.5	5.9	30.4	74	3.0
TTU Sphinx 13	898	28.5	46.6	37.2	28.2	5.1	10.0	6.4	29.4	80	2.7
Paymaster 2280 BG/RR	895	26.9	46.5	35.1	27.3	4.9	9.3	5.4	32.3	88	2.7
AFD 2219	892	28.3	43.1	40.1	31.3	4.8	10.2	7.3	26.5	59	2.6
Paymaster 145	889	28.4	46.5	37.1	28.5	5.1	10.5	6.5	28.8	76	3.3
Stoneville 5599 BR	884	30.0	44.5	40.6	31.9	5.1	9.8	7.2	28.6	67	2.5
Stoneville BXN 49 B	882	27.8	44.3	39.7	30.1	4.2	9.5	6.8	24.3	73	2.3
AFD 3511 RR	875	27.5	49.1	35.4	27.7	5.0	10.2	5.9	29.8	79	3.0
Deltapine 449 BG/RR	874	28.9	45.8	39.1	30.2	4.1	8.4	5.7	27.9	77	2.2
Paymaster 2326 BG/RR	872	27.7	47.2	35.6	28.6	4.7	9.4	5.5	30.3	87	2.9

Table 11. Cont.

Designation	Yield	Agronomic Properties								% Open 9-26-02	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Stoneville 4892 BR	868	30.0	42.6	36.9	28.5	4.4	9.6	6.3	25.6	74	2.5
Stoneville 5303R	867	32.6	42.7	39.9	30.3	4.7	9.1	6.4	28.9	43	2.7
Deltapine 555 BG/RR	864	33.4	40.9	44.1	34.2	3.5	6.6	5.6	27.8	76	2.4
Paymaster 2266 RR	863	26.3	46.7	34.8	26.9	5.3	10.9	6.2	29.6	76	2.8
Stoneville 3539 BR	852	29.1	45.6	37.9	27.8	4.3	9.5	6.2	26.0	75	2.4
Paymaster 2344 BG/RR	850	25.1	47.3	32.0	24.9	4.9	11.8	6.0	26.2	83	2.7
Paymaster HS 26	844	27.3	46.0	37.2	28.0	5.0	9.7	6.1	30.5	76	3.1
Syngenta NX 2165c	837	30.7	43.6	39.4	30.5	5.0	9.4	6.5	30.0	70	2.7
FiberMax 5013	833	26.9	45.2	35.3	27.2	4.7	9.5	5.6	29.7	85	2.8
FiberMax 5017	826	28.3	43.8	40.1	29.7	5.3	10.0	7.1	30.0	65	2.9
Deltapine 458 B/RR	821	28.5	44.8	39.0	31.3	4.2	8.0	5.4	30.0	80	2.4
All-Tex Atlas RR	812	27.2	47.5	36.5	29.2	5.3	9.8	6.0	32.3	78	3.2
SureGrow 215 BG/RR	812	27.3	42.9	40.0	30.4	4.7	8.6	6.1	31.0	74	2.3
Stoneville 4793 R	795	28.5	40.3	40.7	31.1	4.5	9.3	6.8	26.9	62	2.2
PhytoGen 355	787	26.8	41.2	37.6	28.4	4.3	9.3	6.0	27.2	82	2.2
Paymaster 183	784	26.8	47.7	35.2	26.7	4.8	10.3	5.8	29.0	90	3.9
Syngenta NX 2108ss	780	28.7	43.7	39.1	29.0	4.3	9.1	6.3	26.7	91	2.5
All-Tex Xpress	778	26.2	46.1	36.3	27.0	5.1	9.9	6.0	30.6	82	2.5
Stoneville 2454 RR	770	28.2	43.5	38.9	29.3	4.7	9.7	6.6	28.0	71	2.4
All-Tex 011	757	27.8	45.7	37.1	27.7	4.9	9.7	6.1	30.0	72	2.5
FiberMax 819	756	26.8	40.9	39.4	29.6	3.8	8.7	6.1	24.3	74	2.4
All-Tex 005	755	27.1	46.6	35.5	26.2	4.8	9.7	5.7	29.8	75	2.5
Syngenta NX 2429	748	25.9	41.3	38.4	28.1	4.3	9.4	6.4	25.7	81	2.1
TTU Hol 338	748	25.3	44.2	36.4	26.2	5.7	11.7	7.1	29.5	50	2.8
All-Tex 201 RR	712	25.5	45.2	35.1	25.8	5.4	10.3	5.9	32.1	84	2.7

Table 11. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9-26-02	Resistance
Stoneville 474	701	26.3	39.7	40.9	30.9	4.2	8.3	6.1	28.5	69	2.3
All-Tex 101 RR	696	26.6	46.9	35.0	27.5	5.3	9.8	5.5	33.3	88	3.6
Texas 30R	679	25.7	46.7	35.5	26.8	3.8	8.4	5.1	26.3	70	2.5
Tamcot HQ-95	675	27.8	44.3	34.4	26.8	5.0	9.4	5.3	32.1	89	2.7
FiberMax E1009	659	28.8	41.3	40.5	29.4	3.1	7.9	5.8	21.3	78	2.4
Acala 1517-99	654	26.3	42.9	36.8	25.9	4.3	10.4	6.5	24.2	65	1.8
Stoneville 580	648	25.5	39.1	38.3	28.6	4.4	8.9	5.9	28.2	63	2.4
Tamcot Sphinx	630	26.8	48.0	37.2	27.8	4.6	9.7	6.2	27.4	88	2.6
Tamcot Luxor	628	25.3	40.6	38.9	29.0	5.8	9.3	6.3	35.6	88	2.3
All-Tex Xpress RR	603	22.4	47.9	32.0	23.7	5.7	11.4	5.6	32.3	73	3.2
Mean	831	27.9	44.4	37.9	28.9	4.7	9.5	6.1	28.8	74	2.7
C.V.%	9.0	4.4	3.0	3.0	3.4	6.4	4.7	5.3	6.1	15.9	7.4
LSD 0.05	87	2.0	2.2	1.9	1.6	0.5	0.7	0.5	2.9	14	0.2

Table 11A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2002.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>L</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 989 BR	3.9	1.08	80.4	28.7	4.5	3	71.6	8.0	41-4	0.5280	596.27	1
FiberMax 958	4.0	1.10	81.0	30.0	3.7	2	69.5	8.2	51-3	0.4975	479.65	9
FiberMax 5015	4.7	1.05	83.2	30.0	6.8	2	69.5	8.4	41-4,51-3	0.5110	550.04	2
FiberMax 966	4.1	1.11	82.2	32.6	3.7	3	72.2	8.2	41-4	0.5410	540.17	3
Deltapine 491	4.2	1.10	79.4	29.0	4.6	2	69.2	8.3	51-3	0.4958	418.30	26
FiberMax 960 BR	4.1	1.06	81.7	30.5	4.1	3	71.4	7.8	41-4	0.5238	490.19	7
Paymaster 2200 RR	4.5	1.09	81.9	28.7	5.1	3	71.4	8.0	41-2,41-4	0.5273	507.06	4
AFD 2070	4.3	1.06	81.7	28.7	5.0	2	69.0	8.4	51-3	0.4898	446.20	16
Paymaster 2167 RR	4.3	1.02	81.8	27.3	5.3	3	69.2	8.3	41-4,51-3	0.4833	450.33	14
Texas 28R	4.9	1.07	80.6	26.3	4.8	2	69.5	8.5	41-4	0.5220	502.31	5
All-Tex Atlas	4.4	1.06	83.3	29.1	6.0	2	69.9	8.6	41-4,51-3	0.5083	490.89	6
FiberMax 5024 BXN	4.4	1.04	81.7	28.6	5.5	3	71.1	8.1	41-4	0.4928	439.55	19
Stoneville 457	4.2	1.08	81.3	27.6	7.5	3	72.1	8.0	41-3,41-4	0.5278	441.13	18
Paymaster 2379 RR	4.6	1.02	82.4	27.8	6.6	3	71.6	8.2	41-4	0.4815	393.31	37
PhytoGen 98M-2983	4.3	1.06	81.1	27.5	6.2	3	72.1	8.3	41-4	0.5205	431.20	22
Paymaster 2326 RR	4.4	1.03	82.3	28.8	5.6	2	69.1	8.4	51-3	0.4758	418.81	25
TTU Sphinx 13	4.9	1.06	82.1	30.8	4.7	3	68.5	8.6	41-4,52-1	0.4800	419.24	24
Paymaster 2280 BG/RR	3.9	1.07	81.3	28.9	5.2	2	72.0	8.2	41-4	0.5225	488.02	8
AFD 2219	4.0	1.05	80.2	27.6	5.3	2	70.9	8.7	41-3,41-4	0.5065	455.28	12
Paymaster 145	4.2	1.04	81.3	27.1	4.6	3	71.4	7.8	41-2,41-4	0.5073	454.21	13
Stoneville 5599 BR	4.2	1.06	80.6	27.3	4.6	3	71.5	7.8	41-2,41-4	0.5208	444.78	17
Stoneville BXN 49 B	3.8	1.07	79.9	26.9	5.0	3	71.4	7.8	41-4	0.5198	462.65	11
AFD 3511 RR	4.2	1.07	81.1	28.6	4.7	3	68.8	8.2	51-3	0.4865	409.31	29
Deltapine 449 BG/RR	4.0	1.08	81.4	28.2	4.5	2	70.5	7.9	41-2,51-3	0.4968	425.84	23
Paymaster 2326 BG/RR	4.5	1.01	81.3	26.8	5.8	3	71.3	8.0	41-2,41-4	0.4608	395.96	35

Table 11A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>L</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 4892 BR	4.5	1.05	81.8	27.5	5.3	2	69.3	9.0	42-1,52-1	0.4815	395.27	36
Stoneville 5303 R	4.8	1.05	82.7	28.9	4.8	3	70.3	8.7	41-4,42-2	0.4890	433.54	21
Deltapine 555 BG/RR	4.1	1.06	78.9	27.2	4.5	2	72.8	7.5	41-2	0.5185	470.00	10
Paymaster 2266 RR	4.1	1.07	82.4	29.7	5.9	2	68.2	8.6	41-4,51-3	0.5158	434.99	20
Stoneville 3539 BR	4.0	1.01	81.5	27.3	5.3	2	72.0	8.1	41-4	0.4725	407.53	32
Paymaster 2344 BG/RR	4.0	1.04	82.4	28.9	5.9	3	71.4	8.1	41-4	0.4948	409.06	30
Paymaster HS 26	4.3	1.05	82.3	29.5	6.2	3	71.7	8.2	41-4	0.5088	404.15	33
Syngenta NX 2165c	4.5	1.04	80.7	26.6	5.3	2	70.8	8.1	41-4	0.4920	448.21	15
FiberMax 5013	4.5	1.05	82.9	29.0	5.9	2	67.9	8.6	51-3,52-1	0.4770	377.13	43
FiberMax 5017	4.6	1.04	82.0	29.2	6.0	1	70.5	8.5	41-4	0.5085	416.00	27
Deltapine 458 B/RR	4.0	1.07	81.0	28.1	5.2	2	71.0	8.3	41-3,51-3	0.5123	412.38	28
All-Tex Atlas RR	4.1	1.03	82.3	28.0	5.6	2	69.8	9.0	41-4,42-2	0.4918	389.10	39
SureGrow 215 BG/RR	4.1	1.01	80.5	24.4	5.8	3	71.4	7.7	41-2	0.4723	337.94	52
Stoneville 4793 R	4.7	1.05	81.7	26.8	5.6	3	71.6	8.1	41-4	0.5058	397.01	34
PhytoGen 355	4.5	1.09	83.2	28.5	7.1	3	67.6	8.4	41-4,52-2	0.5045	391.91	38
Paymaster 183	4.5	0.98	81.8	26.1	4.4	3	71.6	8.2	41-4	0.4703	369.70	46
Syngenta NX 2108ss	4.0	1.02	80.4	26.3	5.3	3	71.4	7.8	41-2,41-4	0.4808	380.87	41
All-Tex Xpress	3.8	1.04	80.5	26.1	4.3	2	69.1	8.4	51-3	0.4813	376.62	44
Stoneville 2454 RR	4.0	1.04	81.9	26.9	5.5	2	69.1	8.3	51-3	0.4755	386.82	40
All-Tex 011	4.4	1.03	82.2	29.1	4.9	2	68.4	8.3	51-3	0.4758	367.72	47
FiberMax 819	4.1	1.13	82.7	30.8	4.2	3	71.9	8.0	41-4	0.5435	407.93	31
All-Tex 005	4.2	1.04	81.5	29.0	4.9	2	69.5	8.5	41-4,51-3	0.4848	357.99	48
Syngenta NX 2429	4.5	1.08	83.2	29.1	6.3	3	65.8	8.4	41-3,51-4	0.4993	351.93	51
TTU Hol 338	4.1	1.19	82.5	33.5	3.9	3	69.7	8.0	41-4,51-3	0.5248	375.01	45
All-Tex 201 RR	4.0	1.06	82.1	28.6	4.7	2	69.2	8.7	41-4,42-2	0.5003	357.40	50

Table 11A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 474	3.9	1.06	80.8	27.7	4.9	3	67.6	8.7	51-3,52-1	0.4805	320.20	53
All-Tex 101 RR	3.8	1.02	80.5	27.2	4.8	2	69.2	8.4	51-3	0.4740	267.04	60
Texas 30R	3.5	1.11	80.0	26.9	5.2	2	69.6	8.5	42-2,51-3	0.4880	357.63	49
Tamcot HQ-95	3.7	1.07	80.5	27.0	4.3	2	67.2	8.8	51-3,52-1	0.4788	308.99	55
FiberMax E1009	4.1	1.13	82.9	29.4	5.0	3	71.8	8.3	41-4	0.5375	379.03	42
Acala 1517-99	3.9	1.16	82.7	32.7	4.9	4	66.7	7.7	51-4	0.4950	309.09	54
Stoneville 580	4.1	1.06	80.0	27.8	5.8	3	71.3	8.1	41-4	0.5043	303.22	57
Tamcot Sphinx	4.1	1.06	82.0	28.5	4.6	3	66.3	8.9	52-1	0.4705	307.95	56
Tamcot Luxor	3.8	1.04	81.8	27.2	4.6	2	68.1	9.0	42-2,52-1	0.4735	287.00	58
All-Tex Xpress RR	3.6	1.09	82.9	29.8	4.6	2	70.0	8.9	41-4,42-2	0.5075	284.68	59
Mean	4.2	1.06	81.5	28.3	5.2	2	70.1	8.3		0.4990	408.86	
C.V.%	5.5	1.6	0.8	3.2	4.5	24.8	1.5	3.3		3.9	8.9	
LSD 0.05	0.4	0.03	1.0	1.5	0.4	1	1.8	0.5		0.0322	60.77	

<sup>1/</sup> 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.