

Table 8. Results of the irrigated cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2002.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-02-02	Resistance
FiberMax 966	1352	30.1	43.1	41.1	31.5	6.5	11.9	8.6	30.8	74	2.8
FiberMax 989	1338	29.3	42.5	40.5	31.5	6.0	10.9	7.7	31.7	68	2.6
Suregrow 215 BG/RR	1300	29.6	44.5	39.2	30.7	5.5	10.8	7.3	29.6	80	2.7
Syngenta NX 2108 ss	1248	29.0	43.6	40.1	31.0	5.2	10.2	7.2	29.2	72	2.6
Texas 30 R	1246	28.8	45.8	38.9	30.6	5.1	9.2	6.2	32.0	79	2.6
Syngenta NX 2165	1235	29.5	44.0	41.8	32.8	5.8	10.8	8.1	29.8	73	2.8
Stoneville 3539 BR	1183	29.6	42.3	40.4	31.5	5.3	10.3	7.4	29.1	73	2.8
Deltapine 458 BG/RR	1170	27.8	43.5	38.3	30.4	5.0	9.8	6.4	29.8	65	2.7
Stoneville 4892 BR	1168	30.2	43.2	43.5	34.2	5.6	10.8	8.8	27.6	79	2.8
FiberMax 958	1166	27.9	40.9	40.9	31.5	6.0	11.4	8.3	29.4	77	3.0
Paymaster 2167 RR	1162	28.5	42.0	41.1	32.2	5.5	10.0	7.3	30.7	83	3.0
AFD 2070	1159	29.0	43.9	40.4	32.1	5.6	10.6	7.7	29.7	80	3.1
Paymaster 2145 RR	1155	30.2	45.1	40.5	32.0	5.6	11.4	8.1	27.9	81	3.1
FiberMax 5024 BXN	1153	26.4	43.4	39.0	30.0	5.3	10.8	7.2	28.8	75	3.1
Phytogen 98M-2983	1152	30.2	40.0	42.9	32.7	5.4	10.2	8.0	28.8	76	2.2
Stoneville 474	1145	29.4	39.4	41.0	30.5	4.7	10.2	7.5	25.8	88	2.6
All-Tex Excess	1145	28.3	43.6	39.1	30.1	5.9	11.1	7.5	30.7	90	2.9
FiberMax 5013	1102	27.6	42.5	35.0	27.3	5.8	12.4	7.0	29.7	78	2.9
FiberMax 5015	1085	26.6	44.5	38.8	29.0	5.6	11.1	6.9	31.2	84	2.8
Paymaster 2200 RR	1081	27.9	44.8	39.1	31.4	6.2	11.7	7.7	31.5	73	3.1
Paymaster 2280 BG/RR	1078	28.7	46.9	38.0	30.8	6.0	10.7	6.9	33.4	88	2.8
Syngenta NX 2429	1071	26.3	42.5	40.0	30.4	5.0	10.0	7.1	27.8	76	2.3
Paymaster 145	1065	28.6	44.5	40.3	31.9	5.7	10.6	7.6	30.3	80	3.2
Texas 28 R	1064	28.7	42.2	40.4	32.1	5.2	9.3	6.6	31.2	71	2.7
Acala 1517-99	1052	26.9	43.3	36.9	27.5	5.6	12.2	7.6	26.9	74	2.3

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	10-02-02	Resistance
Paymaster 2326 RR	1039	27.5	46.1	38.1	30.4	5.7	10.8	7.0	31.0	85	2.9
All-Tex Atlas RR	1029	27.9	45.6	37.7	29.8	5.8	10.6	6.8	32.4	80	3.0
All-Tex Excess RR	1012	25.7	45.4	36.1	27.7	6.9	12.5	7.5	32.9	76	3.0
Stoneville 2454 RR	1010	27.9	42.2	40.0	31.1	5.6	11.3	8.0	28.2	87	2.6
Phytogen 355	1000	25.2	39.7	39.1	30.0	5.0	10.2	7.0	27.8	85	2.4
AFD 3511	997	26.6	47.6	36.2	28.7	6.0	12.1	7.2	29.9	78	3.0
Paymaster 2344 BG/RR	996	26.7	45.4	36.6	28.8	5.9	12.8	7.8	27.6	82	3.0
FiberMax 819	993	27.6	40.5	40.6	31.6	4.2	9.3	6.7	25.2	72	2.5
All-Tex Atlas	989	27.9	44.1	37.1	28.8	5.8	11.1	7.0	30.4	95	3.0
Paymaster 2266 RR	975	27.2	43.1	37.0	30.0	6.4	12.0	7.4	32.0	84	2.9
Tamcot Luxor	942	26.5	40.4	39.7	29.4	6.8	11.5	8.0	33.7	74	2.6
FiberMax 5017	921	24.2	38.0	39.9	30.5	6.1	10.9	7.6	32.1	72	2.9
All-Tex Xpress RR	903	24.5	47.3	36.4	28.0	5.7	11.0	6.7	30.8	79	3.2
Mean	1099	27.8	43.3	39.2	30.5	5.6	10.9	7.4	29.8	79	2.8
C.V.%	10.5	4.0	3.4	2.3	3.5	4.1	4.0	4.4	5.0	13.9	4.9
LSD 0.05	136	1.9	2.5	1.5	1.8	0.4	0.7	0.5	2.5	13	0.2

Table 8A. Results of the irrigated cotton variety test at the Texas Agricultural Experiment Station, Halfway, 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 966	5.0	1.14	83.5	33.2	3.6	3	73.5	7.5	41-1,41-2	0.5243	712.29	4
FiberMax 989	5.0	1.14	83.1	32.9	4.5	2	74.1	7.5	41-1	0.5243	743.53	2
Suregrow 215 BG/RR	5.3	1.05	83.0	25.5	7.3	3	73.4	8.2	41-3	0.4570	616.29	6
Syngenta NX 2108 ss	4.9	1.08	82.2	28.6	5.7	2	71.7	8.2	41-1,51-3	0.4890	614.79	7
Texas 30 R	4.8	1.11	82.1	28.6	5.2	3	72.9	7.3	41-2	0.5333	748.70	1
Syngenta NX 2165	5.0	1.07	82.4	28.2	5.7	2	75.7	7.6	41-1	0.5013	713.88	3
Stoneville 3539 BR	5.3	1.01	81.5	28.9	5.6	3	72.5	7.6	41-2	0.4363	524.76	21
Deltapine 458 BG/RR	5.0	1.14	83.3	31.4	6.6	2	73.9	7.3	41-2	0.5033	599.29	8
Stoneville 4892 BR	5.4	1.06	82.8	27.4	6.1	2	72.5	9.0	41-3	0.4663	562.52	12
FiberMax 958	4.8	1.15	83.0	31.7	4.0	2	74.1	7.9	41-1,41-2	0.5425	648.06	5
Paymaster 2167 RR	5.4	0.99	82.0	28.4	5.9	3	71.7	7.9	41-2,41-4	0.4238	526.06	20
AFD 2070	5.0	1.08	83.0	29.2	5.5	4	72.8	7.7	41-2	0.5075	585.73	9
Paymaster 2145 RR	5.4	1.04	82.1	29.0	5.6	3	71.4	8.0	41-4	0.4520	529.24	18
FiberMax 5024 BXN	5.1	1.07	82.7	30.5	5.8	3	72.9	7.8	41-1,41-2	0.4915	529.09	19
Phytogen 98M-2983	5.6	1.08	83.0	28.4	6.1	2	72.6	7.7	41-2	0.4725	562.05	13
Stoneville 474	5.8	1.07	83.4	28.7	5.9	3	70.6	8.1	41-4,51-3	0.4520	537.92	17
All-Tex Excess	5.1	1.05	82.0	28.0	5.1	4	70.9	7.1	51-1	0.4398	454.77	36
FiberMax 5013	5.4	1.07	83.8	29.5	6.6	4	69.6	7.4	51-1,51-2	0.4333	492.67	26
FiberMax 5015	5.4	1.07	83.0	31.7	7.3	3	72.8	7.8	41-2,41-4	0.4660	523.85	22
Paymaster 2200 RR	5.3	1.08	83.4	29.4	5.9	2	73.0	8.1	41-1,41-4	0.4823	550.89	14
Paymaster 2280 BG/RR	5.0	1.08	82.3	29.5	5.5	3	73.2	7.6	41-2	0.5080	574.43	10
Syngenta NX 2429	5.3	1.11	84.3	28.6	6.9	4	70.0	7.7	41-4,51-3	0.4613	502.68	25
Paymaster 145	5.1	1.04	82.5	28.3	4.9	3	70.7	7.8	41-4,51-3	0.4420	517.56	23
Texas 28 R	5.0	1.11	82.3	28.2	5.2	2	73.3	8.0	41-1,41-3	0.4943	572.98	11
Acala 1517-99	4.8	1.17	83.4	33.3	4.8	4	70.4	7.2	51-1,51-3	0.5043	550.54	15

Table 8A. 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
Paymaster 2326 RR	5.1	1.07	83.6	29.6	6.1	4	72.1	8.0	41-2,41-4	0.4753	450.34	37
All-Tex Atlas RR	5.1	1.07	82.6	29.0	5.8	2	74.3	8.4	31-4,41-3	0.4935	538.77	16
All-Tex Excess RR	5.0	1.10	83.1	30.5	6.4	3	73.3	7.5	41-1,41-2	0.5123	484.21	28
Stoneville 2454 RR	5.2	1.06	82.6	27.9	5.8	2	72.1	7.3	41-2,51-1	0.4655	472.07	31
Phytogen 355	5.5	1.04	82.6	28.7	7.3	4	69.5	7.6	51-1,51-3	0.4238	428.69	39
AFD 3511	5.0	1.09	82.4	29.9	5.5	3	72.3	7.7	41-2	0.4963	508.16	24
Paymaster 2344 BG/RR	5.3	1.07	82.8	29.8	5.9	3	70.6	7.5	41-4,51-1	0.4593	460.02	34
FiberMax 819	4.9	1.12	82.9	30.9	4.2	3	72.3	7.0	41-2,51-1	0.5030	456.14	35
All-Tex Atlas	5.1	1.07	82.8	30.5	6.5	3	72.3	7.6	41-2,51-1	0.4770	464.65	33
Paymaster 2266 RR	5.0	1.07	82.4	30.0	6.3	3	71.0	7.5	41-2,51-1	0.4878	485.94	27
Tamcot Luxor	4.7	1.07	83.4	29.9	5.0	3	72.3	7.5	41-2,41-4	0.5178	474.89	30
FiberMax 5017	5.4	1.06	82.3	30.0	6.4	3	73.3	8.1	41-3,41-4	0.4693	442.29	38
All-Tex Xpress RR	4.4	1.11	83.3	30.2	4.6	3	72.6	7.5	41-2	0.5390	467.98	32
Mean	5.1	1.08	82.8	29.6	5.7	3	72.3	7.7		0.4820	541.29	
C.V.%	3.1	2.0	0.8	2.5	6.4	26.7	1.7	3.6		5.2	13.3	
LSD 0.05	0.3	0.04	1.2	1.2	0.6	1	2.1	0.5		0.0425	121.13	

<sup>L/</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.