

Table 5. Results of the irrigated cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2003.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-22-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 2448 R	1054	29.3	46.9	35.5	26.2	5.4	10.7	6.4	29.9	49	2.8
FiberMax 966	1044	27.9	44.0	38.6	28.7	5.2	11.0	7.3	27.5	67	2.7
Stoneville 3539 BR	1039	28.4	45.1	37.6	28.4	4.8	9.8	6.3	29.0	75	2.7
FiberMax 960 RR	1015	27.1	43.0	39.2	29.7	5.5	10.7	7.3	29.6	48	2.8
Stoneville 1553 R	1015	27.3	47.0	36.4	27.4	5.1	10.4	6.3	29.1	78	3.0
Stoneville 4892 BR	994	27.8	43.1	38.6	28.9	5.0	10.1	6.8	28.2	53	2.8
FiberMax 958	978	27.7	42.0	38.7	28.7	5.2	10.3	6.9	29.0	68	2.7
Stoneville 5599 BR	977	27.9	44.9	38.7	29.0	5.1	10.0	6.5	30.2	40	2.7
FiberMax 958 LL	975	27.4	43.8	37.6	27.5	5.0	10.1	6.5	29.0	50	2.7
FiberMax 966 LL	948	26.8	41.2	39.0	30.0	5.8	11.3	7.6	29.5	79	2.6
Beltwide Cotton Genetics 28R	942	26.3	45.1	38.4	28.5	4.5	9.1	5.9	29.4	44	2.6
FiberMax 960 BR	941	29.7	44.8	38.0	28.4	5.1	10.2	6.6	29.4	65	2.7
Stoneville 4793 R	928	25.8	43.2	39.2	28.7	4.6	9.8	6.8	26.6	65	2.6
Paymaster 2280 BG/RR	922	27.8	48.3	35.5	26.7	5.3	10.7	6.1	30.9	67	2.8
Syngenta N 2108ss	916	27.7	45.1	37.9	28.1	5.0	9.7	6.3	30.0	73	2.7
Paymaster 2326 RR	888	26.6	46.6	35.2	26.8	5.1	10.6	6.1	29.5	72	2.8
Stoneville 474	888	26.3	42.0	38.3	27.6	4.6	9.8	6.6	26.5	55	2.7
Stoneville 3990 BR	865	26.4	43.9	36.5	27.3	5.4	11.0	6.8	29.0	44	2.4
FiberMax 819	861	24.3	38.6	39.2	27.8	4.3	8.9	6.1	27.7	43	2.5
Paymaster 2266 RR	846	26.2	47.2	35.0	26.2	5.6	11.3	6.5	30.2	68	2.8
Stoneville 2454 R	838	26.9	43.6	36.8	26.8	4.8	9.9	6.2	28.3	63	2.6
AFD 2070	833	25.4	42.8	35.9	26.0	5.3	9.9	6.1	30.9	69	2.8
FiberMax 5013	827	25.6	44.5	33.4	23.9	5.5	10.9	6.0	30.8	44	2.8
Paymaster 1199 RR	807	25.5	40.4	37.5	26.3	4.8	9.8	6.4	28.3	30	2.4
All-Tex Atlas	803	24.9	46.1	35.0	25.6	5.1	10.6	6.0	29.1	64	2.8

Table 5. Cont.

Designation	Yield	Agronomic Properties								% Open 10-22-03	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Paymaster 2167 RR	803	27.9	45.1	37.8	30.6	5.1	9.9	6.3	30.8	61	2.8
Paymaster 2344 BG/RR	782	27.0	48.2	32.2	23.1	5.1	12.0	6.1	26.9	54	2.9
AFD 2074	777	24.2	46.3	36.4	27.2	5.4	10.3	6.1	32.6	43	2.8
All-Tex Excess RR	770	24.8	46.4	33.8	24.9	5.8	11.2	6.1	32.4	53	2.8
Deltapine 444 BG/RR	743	26.4	39.2	40.4	28.9	4.9	9.3	6.7	29.3	23	2.4
Acala 1517-99	731	24.4	42.4	38.1	28.1	5.4	11.6	7.5	27.2	63	2.3
FiberMax 819 RR	715	27.5	41.6	40.4	29.8	4.0	8.9	6.4	25.3	59	2.6
Hazera HA 14	714	22.5	46.9	30.7	19.3	3.6	12.9	6.2	18.0	45	2.2
Tamcot Luxor	692	26.9	43.2	36.6	25.8	5.7	10.7	6.9	30.4	69	2.5
Beltwide Cotton Genetics 24R	689	27.5	45.2	39.1	28.8	4.7	9.1	6.0	30.4	29	2.7
All-Tex Atlas RR	686	26.9	45.6	36.3	26.9	5.5	10.5	6.4	31.2	42	2.9
Deltapine 458 B/RR	664	24.9	44.8	34.7	25.7	4.4	9.4	5.3	28.3	42	2.7
Hazera HA 195	656	23.4	41.6	36.5	27.7	3.9	11.5	7.1	20.2	49	2.2
Hazera HA 175	650	19.5	43.3	33.4	24.4	3.7	11.8	6.3	19.8	56	2.0
Mean	852	26.3	44.2	36.9	27.2	5.0	10.4	6.4	28.5	55	2.6
C.V.%	14.9	5.2	3.8	3.8	4.5	6.8	5.4	5.6	4.1	29.1	4.4
LSD 0.05	173	2.3	2.8	2.4	2.1	0.6	0.9	0.6	2.0	22	0.2

Table 5A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2003.

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 2448 R	4.0	1.08	83.5	30.3	7.3	1	76.9	8.4	31-1,31-2	0.5515	581.28	2
FiberMax 966	3.8	1.16	84.1	33.1	4.3	1	79.2	7.7	31-1	0.5680	592.99	1
Stoneville 3539 BR	4.0	1.01	82.7	27.7	7.3	1	78.8	8.1	21-2,31-1	0.5005	520.02	11
FiberMax 960 RR	3.2	1.12	81.4	30.6	4.5	1	79.9	8.1	21-2,31-1	0.5298	537.75	6
Stoneville 1553 R	3.5	1.17	83.6	29.3	7.5	1	78.4	7.9	31-1,31-2	0.5403	548.40	5
Stoneville 4892 BR	4.0	1.06	82.0	26.9	6.7	1	77.0	9.4	21-4	0.5325	529.31	9
FiberMax 958	3.6	1.14	82.1	29.2	5.3	1	78.7	8.2	21-2,31-1	0.5610	548.66	4
Stoneville 5599 BR	3.6	1.09	82.4	29.9	5.4	1	75.3	8.5	31-3,41-1	0.5455	532.95	8
FiberMax 958 LL	3.9	1.15	83.4	30.9	5.2	1	78.0	7.8	31-1,31-2	0.5653	551.17	3
FiberMax 966 LL	3.9	1.13	82.4	33.3	4.5	1	79.1	8.0	31-1	0.5645	535.15	7
Beltwide Cotton Genetics 28R	3.8	1.09	81.8	26.7	6.3	1	77.6	8.6	31-1	0.5515	519.51	12
FiberMax 960 BR	3.9	1.09	82.4	32.0	4.7	1	78.0	8.0	31-1	0.5595	526.49	10
Stoneville 4793 R	4.0	1.10	81.9	28.4	6.8	1	74.7	9.7	31-3,32-1	0.5340	495.55	14
Paymaster 2280 BG/RR	3.9	1.10	82.2	29.0	6.8	1	77.6	8.5	21-2,31-2	0.5495	506.64	13
Syngenta N 2108ss	3.9	1.06	81.2	27.1	7.5	1	77.2	8.3	31-1,31-2	0.5355	490.52	15
Paymaster 2326 RR	4.3	1.06	84.0	30.4	7.9	1	76.6	8.9	31-3	0.5433	482.45	17
Stoneville 474	4.1	1.07	82.9	26.4	7.3	1	75.9	9.4	31-3	0.5455	484.40	16
Stoneville 3990 BR	3.5	1.04	81.9	25.8	7.4	1	77.6	9.2	21-3,31-3	0.4920	425.58	26
FiberMax 819	3.5	1.17	82.8	30.6	5.3	1	79.5	7.6	31-1	0.5535	476.56	18
Paymaster 2266 RR	4.0	1.10	82.8	29.8	8.1	1	76.6	8.6	31-1,31-4	0.5508	465.98	19
Stoneville 2454 R	4.0	1.05	83.0	26.5	7.8	1	76.9	8.2	31-2	0.5235	438.69	21
AFD 2070	4.0	1.06	83.2	27.8	6.8	2	76.5	8.3	31-2	0.5235	436.08	23
FiberMax 5013	3.9	1.05	83.8	29.2	7.5	1	77.0	8.3	31-1,31-2	0.5413	447.66	20
Paymaster 1199 RR	3.6	1.08	83.0	27.6	6.8	1	77.9	8.9	21-2,21-4	0.5388	434.81	24
All-Tex Atlas	4.1	1.07	83.0	29.1	7.3	1	77.7	8.2	31-1	0.5455	438.04	22

Table 5A. 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
Paymaster 2167 RR	4.1	1.00	82.3	28.0	7.4	2	76.7	8.4	31-1,31-2	0.4983	400.13	30
Paymaster 2344 BG/RR	4.1	1.06	84.3	28.6	8.1	1	77.2	7.8	31-2	0.5315	415.63	27
AFD 2074	3.4	1.11	82.6	26.9	7.6	1	78.2	8.5	21-2,31-1	0.5230	406.37	29
All-Tex Excess RR	3.7	1.09	83.1	29.5	7.5	1	78.7	8.2	31-1	0.5530	425.81	25
Deltapine 444 BG/RR	3.3	1.09	81.7	26.7	6.5	1	78.5	9.0	21-2,21-3	0.5338	396.61	32
Acala 1517-99	3.6	1.16	83.2	31.4	6.2	1	76.7	8.5	31-1,31-2	0.5628	411.41	28
FiberMax 819 RR	3.8	1.11	83.2	29.1	7.0	1	78.4	7.9	31-1,31-2	0.5568	398.11	31
Hazera HA 14	3.4	1.33	82.9	33.6	6.3	1	71.0	10.6	32-1,33-2	0.4993	356.50	37
Tamcot Luxor	4.0	1.08	83.0	27.7	6.5	1	77.5	8.2	31-1,31-2	0.5455	377.49	34
Beltwide Cotton Genetics 24R	3.6	1.10	83.3	28.1	8.4	1	80.1	8.5	21-1	0.5550	382.40	33
All-Tex Atlas RR	3.9	1.05	82.3	28.6	7.2	1	77.4	8.4	31-1	0.5223	358.30	36
Deltapine 458 B/RR	3.5	1.10	81.3	28.7	6.9	1	79.0	8.8	21-1,21-2	0.5555	368.85	35
Hazera HA 195	3.5	1.28	82.8	34.1	6.7	1	71.8	11.0	33-1	0.4863	319.01	39
Hazera HA 175	3.5	1.21	82.4	34.1	6.9	2	71.2	10.4	32-2	0.5393	350.54	38
Mean	3.8	1.10	82.7	29.3	6.7	1	77.2	8.6		0.5390		
C.V.%	5.9	2.4	0.9	3.2	5.3	19.1	0.9	2.9		3.1		
LSD 0.05	0.4	0.04	1.3	1.6	0.6	0	1.2	0.4		0.0278		

<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.