

Table 8. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2003.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-01-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 4892 BR	1389	31.2	43.0	40.9	31.9	5.0	10.9	7.9	26.0	61	2.9
Stoneville 5242 BR	1351	31.5	44.2	40.4	31.0	5.8	12.2	8.6	27.0	65	2.3
FiberMax 989 RR	1311	29.6	42.4	40.2	31.0	5.1	10.7	7.6	27.2	64	2.5
Deltapine 493 cruiser	1287	33.2	43.7	41.1	32.9	4.9	9.0	6.7	30.1	43	2.7
Stoneville 5599 BR	1284	30.4	43.1	40.3	32.4	5.9	11.5	8.2	29.0	43	2.8
Stoneville 4793 R	1283	31.8	43.7	39.6	30.2	5.0	11.0	7.7	25.5	64	2.5
Deltapine 444 BG/RR	1275	31.4	44.6	40.4	30.9	5.4	10.8	7.7	28.4	69	2.6
Deltapine X 00w12	1264	30.0	41.4	41.1	30.6	5.1	10.8	7.7	27.2	50	2.5
FiberMax 960 RR	1253	31.0	45.4	39.6	31.3	6.1	12.2	8.4	28.4	43	2.7
FiberMax 966	1225	29.2	44.1	38.6	29.9	6.0	12.6	8.3	27.9	58	2.6
FiberMax 989	1221	28.8	43.5	39.2	29.4	5.3	11.1	7.5	27.7	66	2.5
Beltwide Cotton Genetics 24R	1220	30.2	45.8	38.6	29.6	4.8	10.0	6.6	28.1	62	2.7
FiberMax 989 BR	1218	28.7	44.8	38.4	29.3	5.0	11.7	7.6	25.4	52	2.5
Stoneville 5303 R	1213	30.5	45.4	39.3	30.4	5.4	10.9	7.4	28.7	52	2.5
All-Tex Top-pick	1205	28.2	46.3	36.7	27.7	5.2	11.4	6.9	27.6	56	2.5
FiberMax 960 BR	1198	29.9	45.2	38.3	29.4	5.7	11.9	7.8	28.1	60	2.5
Syngenta N 2108ss	1197	30.7	45.8	39.5	30.8	5.3	10.9	7.6	27.5	77	2.6
Stoneville 4646 B2R	1184	30.5	45.7	38.6	30.0	5.6	11.4	7.6	28.8	50	2.7
FiberMax 966 LL	1162	28.0	43.4	38.6	28.7	5.4	12.2	8.1	25.8	67	2.7
Paymaster 2167 RR	1161	30.7	46.3	38.1	29.6	5.0	10.5	6.8	27.9	76	2.9
FiberMax 958	1158	28.8	41.6	39.4	29.9	5.6	12.0	8.1	27.3	64	2.8
Deltapine 491	1156	29.6	40.8	41.5	33.6	5.1	10.0	7.5	28.5	52	2.6
Deltapine 494 RR	1142	30.3	43.8	39.7	31.3	5.5	9.8	6.7	32.8	34	2.8
Beltwide Cotton Genetics 28R	1128	29.9	44.7	39.3	30.2	4.5	10.0	6.8	26.0	67	2.6
Deltapine 434 RR	1128	29.3	41.8	40.8	31.5	5.3	10.6	7.6	28.5	51	2.7

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	10-01-03	Resistance
Deltapine 458 B/RR	1119	29.3	46.8	38.1	29.4	4.4	9.2	5.9	28.5	43	2.8
Stoneville 1553 R	1101	28.3	46.5	37.1	29.0	5.9	11.7	7.2	30.2	79	2.8
Beltwide Cotton Genetics 850 R	1100	30.1	45.6	39.0	30.1	5.0	11.0	7.4	26.7	45	2.7
AFD 3602 R	1087	28.6	47.7	37.2	28.5	5.7	12.1	7.4	28.7	63	2.7
All-Tex AT 005	1084	28.3	44.4	36.4	27.6	5.7	11.5	7.0	29.8	57	2.7
FiberMax 958 LL	1069	29.4	44.4	38.7	29.4	5.3	11.9	7.9	26.1	70	2.5
Stoneville 2448 R	1068	29.1	44.9	38.4	29.8	5.8	11.1	7.2	30.8	83	2.6
Stoneville 2454 R	1067	29.4	43.7	39.1	29.8	5.2	11.1	7.4	27.6	81	2.5
Stoneville X 3539 BR	1063	29.1	45.0	38.3	29.6	5.1	10.3	6.8	29.0	82	2.6
Stoneville 3990 BR	1044	28.1	44.4	36.7	28.5	6.2	12.4	7.6	29.7	69	2.4
Stoneville 474	1032	29.9	41.8	40.6	30.4	4.6	10.8	7.6	24.6	63	2.5
FiberMax 981 LL	1032	27.1	43.4	37.3	28.2	5.7	12.0	7.4	28.5	67	2.5
Hazera HA 195	1018	22.7	43.9	33.0	25.5	4.7	13.0	6.9	22.1	37	2.1
Paymaster 2266 RR	1011	26.3	46.1	34.2	26.4	5.8	12.5	8.2	28.4	67	2.6
Deltapine 432 RR	980	28.9	42.4	38.4	29.1	4.9	10.3	6.9	27.6	71	2.6
Acala 1517-99	979	25.6	43.9	36.6	27.6	5.4	12.7	7.7	25.4	61	2.3
Hazera HA 14	979	20.1	44.6	29.9	22.1	4.5	15.1	6.8	19.5	58	1.6
GENETEX HW-520 RR	976	27.3	47.3	35.6	27.6	6.1	12.6	7.3	29.3	60	2.5
Paymaster 145	965	28.4	46.0	36.9	28.5	5.4	11.5	7.2	27.5	79	2.7
GENETEX HW-518 RR	964	26.5	43.9	36.3	27.7	5.6	12.3	7.4	27.5	79	2.4
Hazera HA 175	960	21.0	44.7	30.8	23.0	4.1	13.9	6.7	18.9	53	1.8
GENETEX HW-515 RR	945	26.7	47.6	35.8	27.2	5.8	12.9	7.5	27.8	82	2.8
All-Tex Atlas RR	932	26.9	44.8	36.1	27.8	5.6	11.4	6.8	29.7	71	2.8
All-Tex Atlas	921	26.2	46.6	35.3	26.2	4.9	11.7	6.7	25.8	62	2.7
Paymaster HS 26	888	26.4	44.5	34.7	26.0	5.7	11.9	6.7	29.6	62	2.8

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Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-01-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 5024 BXN	874	25.3	43.8	35.3	25.6	5.1	11.9	6.9	26.3	54	3.1
FiberMax 5013	873	26.7	47.0	35.1	26.4	5.3	11.7	6.8	27.5	62	2.7
Paymaster 2326 RR	871	26.5	45.0	36.2	27.6	5.1	12.0	7.1	26.3	71	2.9
TTU Hol 338-276-1-3	871	25.3	45.2	34.9	25.5	6.2	12.8	7.2	30.1	49	2.9
All-Tex Excess RR	844	26.2	45.1	35.7	27.2	6.1	12.4	7.3	29.9	81	2.6
Tamcot Luxor	820	26.6	41.0	37.6	27.7	6.1	11.3	7.4	30.9	73	2.3
All-Tex 85096 BG/R	805	27.3	46.9	34.6	26.1	6.1	11.2	6.3	33.5	59	2.9
TTU Hol 338-276-3-4	805	22.9	42.3	35.4	24.9	6.4	13.3	7.6	29.9	50	2.7
Paymaster 183	799	26.8	45.2	36.9	27.6	5.0	10.5	6.4	28.4	74	3.0
All-Tex 85039 BG/R	671	25.1	41.3	37.3	28.2	5.5	11.4	7.0	29.5	68	2.8
Mean	1070	28.2	44.5	37.6	28.7	5.4	11.5	7.3	27.8	62	2.6
C.V.%	9.6	4.2	3.4	1.8	3.1	6.0	4.3	5.1	6.4	25.2	7.4
LSD 0.05	120	2.0	2.6	1.2	1.5	0.5	0.8	0.6	3.0	18	0.2

Table 8A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2003.

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 4892 BR	5.3	1.12	84.0	30.1	5.5	1	76.1	9.6	21-4,31-3	0.5200	722.28	3
Stoneville 5242 BR	5.2	1.09	84.3	28.1	5.8	1	78.3	8.7	21-2,31-1	0.5123	692.12	6
FiberMax 989 RR	4.7	1.14	83.0	34.4	4.5	1	77.6	8.5	21-2,31-1	0.5645	740.06	1
Deltapine 493 cruiser	4.7	1.13	82.0	32.1	4.3	1	78.8	8.0	21-2,31-2	0.5618	723.04	2
Stoneville 5599 BR	5.0	1.11	82.7	31.4	4.4	2	74.2	8.9	31-4,41-3	0.5320	683.09	9
Stoneville 4793 R	5.2	1.09	83.8	29.8	5.5	1	74.8	9.1	31-4	0.5065	649.84	12
Deltapine 444 BG/RR	4.6	1.13	84.3	29.6	5.4	1	77.4	8.7	31-1	0.5583	711.83	4
Deltapine X 00w12	4.8	1.15	83.6	30.7	6.4	1	76.4	9.1	31-3	0.5430	686.35	7
FiberMax 960 RR	4.5	1.15	83.5	33.5	3.6	1	78.2	8.0	31-1	0.5650	707.94	5
FiberMax 966	5.1	1.16	84.6	35.7	3.2	1	76.9	7.9	31-2	0.5285	647.41	14
FiberMax 989	5.0	1.15	83.6	34.2	4.0	1	77.7	8.4	31-1,31-2	0.5275	644.08	15
Beltwide Cotton Genetics 24R	4.9	1.12	83.1	30.8	6.1	1	78.6	8.3	31-1	0.5603	683.57	8
FiberMax 989 BR	5.0	1.16	83.6	32.7	4.2	1	77.8	8.4	31-1	0.5268	641.64	16
Stoneville 5303 R	5.4	1.11	84.6	33.4	4.8	1	77.0	8.7	31-1	0.5135	622.88	21
All-Tex Top-pick	4.5	1.19	83.3	30.0	5.8	1	78.2	8.5	21-2,31-1	0.5623	677.57	10
FiberMax 960 BR	5.1	1.12	83.7	34.0	3.7	1	78.5	8.5	21-2,31-1	0.5298	634.70	17
Syngenta N 2108ss	5.0	1.10	83.6	30.1	5.6	1	78.0	8.5	21-2,31-1	0.5223	625.19	20
Stoneville 4646 B2R	5.1	1.13	83.5	30.7	5.5	1	76.6	9.2	31-3	0.5230	619.23	23
FiberMax 966 LL	5.1	1.15	83.9	35.5	3.5	1	78.3	8.0	21-2,31-2	0.5308	616.79	24
Paymaster 2167 RR	5.4	1.03	83.3	29.6	5.5	1	75.1	9.0	31-3,31-4	0.4693	544.86	36
FiberMax 958	5.2	1.14	83.5	33.7	3.6	1	77.4	8.1	31-1,31-2	0.5275	610.84	27
Deltapine 491	4.6	1.19	83.6	33.4	4.6	1	76.1	8.7	31-2,31-3	0.5655	653.72	11
Deltapine 494 RR	4.8	1.20	83.6	33.3	5.4	1	77.1	8.8	21-2,31-3	0.5675	648.08	13
Beltwide Cotton Genetics 28R	5.1	1.14	83.0	30.2	4.7	1	76.4	8.4	31-2	0.5338	602.13	28
Deltapine 434 RR	4.8	1.18	83.5	28.6	5.8	1	77.2	8.6	31-1	0.5575	628.86	19

Table 8A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^L	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Deltapine 458 B/RR	4.8	1.16	83.0	32.8	5.4	1	78.0	8.5	31-1	0.5638	630.89	18
Stoneville 1553 R	4.6	1.18	84.0	31.4	5.9	1	75.9	8.3	31-1,41-1	0.5555	611.61	26
Beltwide Cotton Genetics 850 R	4.5	1.14	82.1	30.5	5.9	1	79.5	8.4	21-2	0.5633	619.63	22
AFD 3602 R	4.7	1.14	83.6	31.7	4.7	1	78.6	8.6	21-2,31-3	0.5643	613.39	25
All-Tex AT 005	5.1	1.06	82.9	31.5	4.8	2	75.3	8.2	31-2,41-1	0.4993	541.24	37
FiberMax 958 LL	5.3	1.15	83.6	34.5	3.9	1	78.0	8.1	31-1,31-2	0.5205	556.41	31
Stoneville 2448 R	5.1	1.09	83.8	32.4	5.6	1	76.4	8.9	31-3	0.5205	555.89	32
Stoneville 2454 R	5.4	1.06	83.9	29.7	5.6	1	76.9	8.8	31-3,31-4	0.4970	530.30	38
Stoneville X 3539 BR	5.3	1.02	83.4	30.3	5.7	1	78.2	8.7	21-2,31-1	0.4635	492.70	45
Stoneville 3990 BR	4.6	1.07	83.1	28.1	6.1	2	78.9	8.7	21-2	0.5320	555.41	33
Stoneville 474	5.4	1.13	84.3	30.9	5.5	1	75.1	9.1	31-3,31-4	0.5130	529.42	40
FiberMax 981 LL	4.9	1.17	82.9	33.6	4.5	3	76.8	8.2	31-2	0.5450	562.44	29
Hazera HA 195	4.0	1.36	84.9	39.1	5.9	2	72.4	10.4	32-1,32-2	0.5450	554.81	34
Paymaster 2266 RR	4.8	1.12	83.6	31.8	6.2	3	74.8	8.4	31-2,41-3	0.5535	559.59	30
Deltapine 432 RR	5.5	1.12	84.6	30.6	6.7	1	75.0	9.0	31-3,31-4	0.5090	498.82	43
Acala 1517-99	4.4	1.23	84.3	35.3	4.7	2	75.0	8.5	31-4	0.5655	553.62	35
Hazera HA 14	3.6	1.41	85.4	38.3	5.1	2	68.9	10.7	33-2,43-1	0.4863	476.09	48
GENETEX HW-520 RR	5.7	1.10	84.3	33.0	5.3	1	75.7	8.9	31-3,31-4	0.5100	497.76	44
Paymaster 145	5.0	1.07	82.7	30.1	4.9	2	75.1	8.2	41-1	0.4835	466.58	51
GENETEX HW-518 RR	5.0	1.12	84.1	32.3	4.9	1	75.2	8.5	31-4	0.5423	522.78	41
Hazera HA 175	4.0	1.32	85.0	37.9	5.8	2	71.5	9.6	42-1	0.5200	499.20	42
GENETEX HW-515 RR	4.7	1.15	82.7	32.7	4.6	1	77.6	8.6	31-1	0.5608	529.96	39
All-Tex Atlas RR	5.2	1.07	83.5	31.1	6.1	1	76.8	9.1	31-3	0.5063	471.87	49
All-Tex Atlas	5.0	1.10	83.7	31.4	5.9	2	75.2	8.3	31-2,41-1	0.5335	491.35	47
Paymaster HS 26	5.1	1.10	83.8	32.2	6.3	1	77.2	8.2	31-1,31-2	0.5235	464.87	52

Table 8A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 5024 BXN	4.9	1.09	83.5	32.0	5.6	1	77.6	8.6	31-1	0.5388	470.91	50
FiberMax 5013	5.1	1.09	84.5	31.3	5.8	2	75.5	7.9	41-1	0.5085	443.92	55
Paymaster 2326 RR	5.2	1.08	84.9	31.8	5.9	2	74.5	8.5	31-4,41-3	0.5155	449.00	54
TTU Hol 338-276-1-3	4.7	1.22	83.6	33.4	4.7	1	78.3	8.3	31-1	0.5650	492.12	46
All-Tex Excess RR	5.1	1.09	83.6	32.2	6.0	2	76.5	8.2	31-1,41-1	0.5090	429.60	57
Tamcot Luxor	5.1	1.07	84.3	30.1	5.0	2	76.0	8.3	31-2	0.5130	420.66	58
All-Tex 85096 BG/R	5.0	1.09	84.1	31.5	5.3	1	78.6	8.7	21-2	0.5433	437.36	56
TTU Hol 338-276-3-4	4.6	1.25	85.0	37.9	4.0	1	76.4	8.1	31-1,41-1	0.5580	449.19	53
Paymaster 183	5.6	0.97	82.9	28.8	5.8	1	76.6	9.4	21-4	0.4463	356.59	59
All-Tex 85039 BG/R	5.0	1.07	83.5	28.9	6.4	1	76.8	8.2	31-2	0.5073	340.40	60
Mean	4.9	1.13	83.7	32.1	5.2	1	76.5	8.6		0.5300		
C.V.%	2.2	1.5	0.6	2.0	3.9	31.6	1.0	2.6		2.3		
LSD 0.05	0.2	0.03	0.8	1.1	0.3	1	1.3	0.4		0.0206		

^{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.