

Table 14. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2002.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 9-27-02	Storm Resistance
		Lint	Seed	Picked	Pulled						
Deltapine 565	1313	29.7	45.2	37.2	28.9	4.5	8.5	5.3	31.1	41	2.6
FiberMax 958 B	1247	26.4	41.1	37.4	29.2	4.9	9.7	6.3	29.4	52	2.8
Stoneville 4892BR	1243	28.7	41.9	40.1	31.8	4.8	9.6	6.9	27.5	72	2.6
Deltapine 493	1194	31.2	42.4	41.1	31.9	4.0	7.2	5.5	30.0	45	2.6
Deltapine 458 B/RR	1191	29.6	46.1	38.5	30.5	3.9	7.8	5.2	29.1	49	2.8
PhytoGen 98M-3196	1169	28.3	41.9	40.1	30.9	4.3	9.1	6.6	26.6	50	2.5
FiberMax 832 B	1165	27.4	44.1	36.9	29.1	5.0	9.8	6.1	30.0	35	2.7
FiberMax 989 BR	1146	28.5	45.8	38.7	30.4	4.8	9.9	6.6	28.1	47	2.8
Stoneville BXN 49B	1128	28.1	42.2	39.0	30.5	4.9	9.8	6.8	27.9	65	2.5
Stoneville 5599BR	1125	30.2	44.6	39.8	31.8	5.1	9.6	6.8	29.7	52	2.6
Acala w1218	1124	27.3	43.2	37.1	28.3	4.5	9.5	6.1	27.5	43	2.7
Stoneville 4793R	1116	28.7	42.4	39.7	30.8	4.4	9.4	6.7	25.8	66	2.2
PhytoGen 99M-1495	1111	26.3	44.6	36.2	28.0	4.2	9.3	5.7	26.7	51	2.5
Deltapine 491	1110	29.0	41.8	39.5	31.5	4.8	8.5	5.9	32.2	45	2.7
Stoneville 474	1103	28.8	42.6	39.2	29.6	4.3	9.3	6.5	25.8	58	2.5
Deltapine 555 BG/RR	1095	30.9	41.8	41.1	32.5	4.1	7.3	5.4	30.5	43	2.8
Deltapine 488 B	1069	28.5	44.7	38.0	29.9	4.3	8.5	5.4	30.1	54	3.0
Paymaster 2167 RR	1058	28.4	45.2	37.7	29.4	4.6	9.4	6.0	29.1	47	3.1
PhytoGen 98M-2983	1057	30.0	42.2	40.5	30.4	4.6	8.9	6.6	28.1	59	2.3
FiberMax 819	1040	26.7	42.0	38.4	28.7	3.9	8.3	5.6	26.2	55	2.9
Deltapine 449 BG/RR	1031	29.6	45.7	37.8	30.7	4.0	7.9	5.1	29.7	54	2.4
PhytoGen 355	1012	26.6	42.5	36.8	27.8	4.1	9.1	5.8	25.8	56	2.3
PhytoGen 72 Acala	960	26.1	42.6	37.0	28.0	4.4	9.7	6.1	26.9	49	2.2
FiberMax 958	953	27.5	42.8	39.1	30.1	4.8	10.0	6.8	27.6	55	3.0
FiberMax 966	946	28.4	43.3	38.3	30.2	5.4	10.7	7.0	29.0	42	2.9

Table 14. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll		
Stoneville 580	914	27.0	44.1	39.2	30.1	4.6	8.9	6.1	29.9	54	2.5
Stoneville 3539BR	878	28.8	46.0	38.2	29.7	4.1	9.0	6.0	26.3	60	2.6
NM 970123	862	24.4	38.7	38.7	28.5	4.8	10.4	7.0	26.4	47	2.5
Stoneville 457	860	27.2	40.9	40.2	30.1	4.4	8.8	6.4	27.7	66	2.4
Acala 1517-99	806	24.9	41.7	35.7	27.1	4.8	10.4	6.2	27.2	43	2.2
Stoneville 5303 R	778	28.3	44.9	38.5	30.1	4.7	9.6	6.2	29.1	39	2.8
Acala 1517-95	769	23.6	43.7	34.8	25.9	4.8	10.2	5.9	28.2	58	2.4
NM 970513	742	23.4	44.1	33.7	25.0	4.8	10.4	5.7	28.7	60	2.1
FiberMax 989	709	26.8	41.8	37.9	28.0	4.8	9.6	6.2	29.1	15	2.8
All-Tex Atlas	707	24.9	45.1	34.9	27.0	4.7	10.2	5.8	27.8	45	2.8
Mean	1021	27.7	43.2	38.2	29.5	4.5	9.2	6.1	28.3	50	2.6
C.V.%	13.2	3.6	3.2	2.2	3.4	5.2	3.4	3.9	5.6	22.6	6.4
LSD 0.05	159	1.7	2.3	1.4	1.7	0.4	0.5	0.4	2.7	13	0.2

Table 14A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2002.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Deltapine 565	5.0	1.13	82.5	29.8	4.7	4	72.6	7.1	41-2,51-1	0.4905	644.46	1
FiberMax 958 B	4.4	1.12	82.8	32.6	4.1	3	68.6	7.1	51-1,51-2	0.5043	577.12	4
Stoneville 4892BR	5.2	1.08	83.5	28.6	4.9	4	68.3	7.3	51-2,51-3	0.4533	545.67	12
Deltapine 493	4.8	1.07	81.4	29.9	4.2	3	75.0	7.2	41-1,41-2	0.5098	614.81	3
Deltapine 458 B/RR	5.0	1.08	81.9	29.4	5.1	2	72.4	7.9	31-4,51-1	0.4958	560.36	8
PhytoGen 98M-3196	5.0	1.08	82.0	28.5	5.9	3	68.5	7.9	41-4,51-4	0.4883	544.71	14
FiberMax 832 B	4.5	1.16	83.5	32.7	3.9	3	74.3	7.0	41-2	0.5450	631.44	2
FiberMax 989 BR	4.8	1.11	82.1	31.7	4.1	2	70.4	6.9	51-1	0.5030	527.15	15
Stoneville BXN 49B	4.8	1.08	81.1	27.8	4.7	3	65.9	7.2	51-4,61-1	0.4793	501.19	17
Stoneville 5599BR	4.8	1.07	81.9	28.4	4.3	2	73.0	7.5	41-1,41-2	0.5268	547.45	11
Acala w1218	4.4	1.17	82.6	32.7	4.5	4	69.8	6.9	51-1,51-2	0.4950	570.53	5
Stoneville 4793R	5.5	1.06	82.3	27.8	4.8	3	68.9	7.6	51-1,51-4	0.4260	410.03	28
PhytoGen 99M-1495	5.1	1.11	83.5	30.6	6.5	4	64.3	7.0	51-4,61-3	0.4425	439.57	22
Deltapine 491	4.5	1.15	81.6	31.2	3.8	3	72.1	7.3	41-2,51-1	0.5215	560.27	9
Stoneville 474	5.5	1.09	83.0	28.4	4.6	3	66.1	7.5	51-4	0.4418	446.59	20
Deltapine 555 BG/RR	4.6	1.08	80.9	28.1	4.2	2	74.0	7.1	41-2	0.5325	568.71	6
Deltapine 488 B	4.7	1.09	81.3	27.4	4.7	2	74.0	7.6	41-1,41-2	0.5325	562.06	7
Paymaster 2167 RR	4.9	1.03	82.3	28.3	4.6	3	67.6	7.5	51-3,51-4	0.4543	517.02	16
PhytoGen 98M-2983	5.1	1.07	81.9	28.7	5.3	3	68.9	7.4	51-1,53-1	0.4495	496.70	19
FiberMax 819	4.6	1.15	83.1	32.5	3.6	4	71.6	6.7	51-1	0.5035	496.83	18
Deltapine 449 BG/RR	4.9	1.07	81.9	29.8	4.5	2	71.4	7.0	41-2,51-1	0.5085	545.31	13
PhytoGen 355	5.2	1.09	83.3	30.0	6.2	3	65.6	7.3	51-4,61-4	0.4428	416.40	27
PhytoGen 72 Acala	4.6	1.16	83.1	34.2	4.9	2	71.7	7.7	41-2	0.5443	551.25	10
FiberMax 958	5.0	1.13	82.3	30.9	3.4	3	69.9	7.1	51-1	0.4830	407.21	29
FiberMax 966	4.9	1.11	82.4	33.0	2.9	3	72.8	7.4	41-1,51-1	0.5220	419.80	25

Table 14A. 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
Stoneville 580	4.9	1.09	82.5	30.3	5.0	2	72.8	8.0	41-1,41-4	0.5188	436.75	23
Stoneville 3539BR	5.1	1.00	81.6	29.6	4.7	2	68.8	7.7	51-3	0.4233	367.23	31
NM 970123	4.5	1.19	84.0	36.1	3.6	2	73.9	7.7	41-1,41-2	0.5460	439.85	21
Stoneville 457	4.8	1.09	82.7	30.0	7.4	3	67.2	7.4	51-1,51-4	0.4960	431.35	24
Acala 1517-99	4.4	1.17	83.0	34.5	4.0	4	68.8	7.3	51-1	0.4963	350.60	33
Stoneville 5303 R	5.1	1.10	84.1	31.5	4.4	2	70.8	8.3	41-4	0.5033	416.68	26
Acala 1517-95	4.5	1.16	83.2	34.0	3.6	5	68.2	7.1	51-2,51-4	0.4885	372.24	30
NM 970513	4.3	1.16	83.0	37.6	3.2	4	71.6	7.4	41-2,51-3	0.5230	346.56	34
FiberMax 989	4.5	1.14	82.6	32.1	3.7	2	73.1	7.8	41-1,51-1	0.5240	351.94	32
All-Tex Atlas	4.8	1.04	81.5	29.7	4.7	2	71.6	7.7	41-4,51-1	0.4925	332.44	35
Mean	4.8	1.10	82.4	30.8	4.5	3	70.4	7.4		0.4940	484.23	
C.V.%	3.4	1.5	0.6	2.5	5.0	28.4	2.5	5.2		4.6	9.1	
LSD 0.05	0.3	0.03	0.8	1.3	0.4	1	2.9	0.6		0.0382	74.53	

^{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.