

Table 11. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2004.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-20-04	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 989 BR	1381	29.8	45.2	39.4	30.6	5.1	10.2	6.9	28.6	55	2.9
Deltapine 555 BG/RR	1354	31.8	43.0	42.8	35.0	3.9	7.2	5.7	29.2	48	2.8
FiberMax 960 BR	1350	32.0	46.3	39.8	32.2	5.0	9.6	6.7	29.2	65	2.8
Stoneville 5599 BR	1335	31.1	44.6	39.9	32.8	4.7	8.9	6.3	29.9	64	2.6
Stoneville 4892 BR	1309	30.5	43.7	40.3	31.7	4.5	9.6	7.0	26.0	66	2.8
FiberMax 800 BR	1267	30.0	43.4	40.3	31.6	5.3	9.6	6.8	31.6	46	3.0
Acala w1218	1266	28.4	45.4	37.5	29.8	4.3	10.0	6.4	25.5	60	2.4
AFD 2485	1262	30.9	43.9	41.5	32.2	4.7	9.6	7.1	27.6	64	3.0
FiberMax 989	1260	28.4	42.2	40.3	30.8	4.5	9.2	6.5	27.8	49	2.7
Deltapine 458 B/RR	1214	29.8	47.2	38.8	31.3	4.0	8.2	5.4	29.0	63	2.8
Stoneville 4686 R	1210	30.5	45.0	39.4	31.4	4.4	8.8	6.0	28.4	70	2.3
FiberMax 991 BR	1198	28.9	46.8	39.0	31.7	3.9	7.8	5.3	28.7	62	2.4
Deltapine 449 BG/RR	1176	31.2	48.7	39.4	31.6	3.9	7.9	5.4	28.3	58	2.7
Stoneville 5303 R	1164	29.8	46.4	40.0	31.4	4.6	8.8	6.1	30.1	63	2.7
Stoneville 4646 B2R	1148	29.5	45.8	38.9	31.9	4.4	9.0	6.1	28.2	73	2.8
NM 970123	1137	28.7	41.6	40.7	30.7	4.7	10.0	7.2	26.5	69	2.5
Deltapine 488 BG/RR	1135	31.2	46.4	40.3	32.8	4.7	8.7	6.2	30.1	60	2.7
Stoneville 4575 BR	1124	30.0	42.5	41.0	32.6	4.2	8.7	6.4	26.9	63	2.3
PhytoGen 410 R	1074	27.1	43.0	38.2	29.2	4.1	9.0	6.0	26.3	65	2.5
Stoneville 6848 R	1069	27.8	46.6	38.6	30.3	4.7	8.8	5.8	31.3	61	1.9
All-Tex Magnum RR	1068	29.8	46.2	40.5	32.1	3.9	8.3	5.8	27.1	61	2.9
AFD 3602 RR	1065	28.9	46.7	38.1	30.1	4.8	10.1	6.5	28.3	58	3.2
FiberMax 960 B2R	1062	29.7	45.1	39.1	30.9	4.9	8.9	6.0	32.1	48	3.1
All-Tex Warrior RR	1023	27.2	46.4	37.0	28.9	4.1	9.0	5.5	27.7	72	3.1
All-Tex 304 RR	1022	29.3	45.1	39.2	30.6	4.2	8.7	5.9	27.9	70	2.6

Table 11. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 10-20-04	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Stoneville 6636 BR	1016	30.2	47.0	39.2	31.4	4.3	8.4	5.7	29.8	69	1.8
Stoneville x3636 B2R	981	29.3	44.8	38.7	30.4	4.3	9.0	6.1	27.5	71	2.4
PhytoGen 72 Acala	952	25.9	42.9	38.7	30.0	4.4	9.6	6.4	26.5	65	1.7
NM 970513	945	25.0	44.7	34.5	26.2	4.6	11.0	6.1	26.0	63	1.7
All-Tex Top-Pick	938	25.7	45.2	36.8	28.3	4.7	10.0	6.1	28.2	63	2.4
Stoneville 5242 BR	937	30.5	43.5	39.9	31.4	4.8	10.3	7.3	26.3	72	2.1
FiberMax 991 B2R	935	28.5	45.9	38.2	31.4	4.1	9.0	5.8	27.2	72	2.5
Acala 1517-99	930	25.0	41.5	37.0	29.9	4.7	10.6	6.7	25.9	52	1.7
Acala 1517-95	886	25.7	45.3	36.3	27.3	5.0	11.4	6.9	26.0	55	2.2
Stoneville x5454 B2R	878	29.5	49.0	37.2	29.1	4.1	8.5	5.3	28.7	74	2.6
<u>All-Tex Atlas</u>	<u>701</u>	<u>26.1</u>	<u>46.4</u>	<u>35.3</u>	<u>27.6</u>	<u>4.8</u>	<u>10.9</u>	<u>6.3</u>	<u>27.0</u>	<u>69</u>	<u>3.2</u>
Mean	1105	29.0	45.1	38.9	30.7	4.5	9.2	6.2	28.1	63	2.5
C.V.%	9.4	2.9	2.7	1.4	2.1	3.4	3.7	3.9	3.4	16.1	9.8
LSD 0.05	122	1.4	2.0	0.9	1.1	0.3	0.6	0.4	1.6	12	0.3

Table 11A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2004.

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 989 BR	4.2	1.08	80.4	28.7	4.7	3	76.6	6.3	41-1,41-2	0.5298	731.65	1
Deltapine 555 BG/RR	3.9	1.05	80.0	26.1	4.7	3	77.9	5.9	41-1,41-2	0.5048	683.50	5
FiberMax 960 BR	4.4	1.09	82.2	30.6	3.7	3	76.8	5.7	41-2	0.5398	728.73	2
Stoneville 5599 BR	4.4	1.06	80.8	27.4	4.2	4	72.7	7.1	41-2	0.5205	694.87	3
Stoneville 4892 BR	4.7	1.02	81.4	26.2	6.5	4	71.9	5.9	51-1	0.4753	622.17	11
FiberMax 800 BR	3.8	1.14	81.7	29.7	4.9	4	77.5	5.7	41-2	0.5240	663.91	7
Acala w1218	3.9	1.17	82.3	30.8	5.2	5	69.0	5.4	51-1,61-1	0.4775	604.52	15
AFD 2485	4.4	1.11	82.9	30.2	3.7	3	75.7	5.9	41-2	0.5420	684.00	4
FiberMax 989	3.8	1.13	82.2	29.9	4.4	4	77.2	6.2	41-1,41-2	0.5395	679.77	6
Deltapine 458 B/RR	4.1	1.10	81.3	28.6	6.2	3	77.8	6.1	41-1	0.5393	654.71	8
Stoneville 4686 R	4.3	1.07	81.0	25.9	5.9	3	74.2	6.8	41-2	0.5280	638.88	9
FiberMax 991 BR	3.8	1.11	81.9	30.7	4.6	3	72.9	5.6	41-2,51-2	0.5115	612.78	13
Deltapine 449 BG/RR	4.1	1.08	82.3	28.3	5.5	3	78.0	5.8	41-1,41-2	0.5305	623.87	10
Stoneville 5303 R	4.6	1.06	83.2	29.7	5.2	2	76.5	6.9	41-1	0.5268	613.20	12
Stoneville 4646 B2R	4.7	1.08	81.7	26.6	6.3	3	70.7	6.2	51-1,51-2	0.4930	565.96	18
NM 970123	4.2	1.16	83.7	33.6	4.8	5	73.7	5.7	41-2,51-1	0.5185	589.53	16
Deltapine 488 BG/RR	3.9	1.10	80.8	28.8	5.2	4	75.5	6.3	41-2	0.5368	609.27	14
Stoneville 4575 BR	4.6	1.06	81.6	25.9	7.5	4	70.5	6.6	51-1	0.4870	547.39	20
PhytoGen 410 R	4.3	1.08	82.7	26.8	6.7	5	72.1	6.3	41-2,51-2	0.4866	522.61	24
Stoneville 6848 R	4.4	1.11	82.9	29.6	4.7	3	74.9	6.8	41-2	0.5400	577.26	17
All-Tex Magnum RR	4.5	1.05	80.9	27.3	6.7	2	76.7	6.3	41-1,41-2	0.5110	545.75	22
AFD 3602 RR	4.2	1.04	80.8	27.7	4.7	3	74.8	6.3	41-2	0.5130	546.34	21
FiberMax 960 B2R	4.0	1.13	83.3	30.1	4.7	5	75.6	6.1	41-2	0.5245	557.02	19
All-Tex Warrior RR	4.0	1.10	81.0	27.0	5.6	4	73.5	6.1	51-1	0.4940	505.36	26
All-Tex 304 RR	4.3	1.06	82.6	26.7	6.9	3	74.0	6.3	41-2,51-1	0.5040	515.09	25

Table 11A. 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 6636 BR	4.6	1.11	83.0	28.7	4.2	3	73.3	6.3	41-2,51-1	0.5175	525.78	23
Stoneville x3636 B2R	4.5	1.05	81.3	25.2	4.7	5	70.9	5.9	51-2	0.4700	461.07	33
PhytoGen 72 Acala	4.1	1.15	82.6	30.9	5.7	3	72.3	6.5	41-2,51-1	0.5250	499.80	27
NM 970513	3.9	1.16	83.4	33.5	3.7	3	74.3	5.8	51-1	0.5063	478.45	30
All-Tex Top-Pick	4.2	1.12	82.3	27.9	6.0	2	75.2	6.3	41-2,51-1	0.5205	488.23	29
Stoneville 5242 BR	4.3	1.02	82.3	25.1	5.9	3	75.8	6.9	41-1,41-2	0.4893	458.47	34
FiberMax 991 B2R	3.9	1.08	80.2	27.6	4.2	3	74.8	6.1	41-2	0.5315	496.95	28
Acala 1517-99	3.9	1.18	83.8	32.3	4.1	4	73.3	5.9	51-1	0.5053	469.93	31
Acala 1517-95	4.0	1.14	83.1	31.1	4.2	5	71.2	5.5	51-2	0.4888	433.08	35
Stoneville x5454 B2R	4.8	1.07	80.7	26.8	6.3	2	75.1	6.7	41-2	0.5295	464.90	32
All-Tex Atlas	4.3	1.06	82.8	28.2	6.6	5	72.9	5.9	51-1	0.4780	335.08	36
Mean	4.2	1.09	81.9	28.6	5.2	3	74.3	6.1		0.5130		
C.V.%	5.1	1.1	0.7	2.1	7.4	21.9	1.7	5.5		3.3		
LSD 0.05	0.4	0.02	0.9	1.0	0.6	1	2.1	0.6		0.0285		

^{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.