

Table 11. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-20-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville x0416B2R	732	30.1	44.9	37.2	27.8	3.4	8.0	5.2	24.1	86	2.7
Deltapine 445 BG/RR	624	31.9	40.0	42.0	32.3	3.8	8.2	6.4	25.1	70	2.7
Stoneville 4892 BR	622	31.6	42.0	40.2	31.1	3.6	8.6	6.3	23.2	84	2.9
Stoneville 5599 BR	622	33.2	43.5	40.8	31.7	3.8	8.7	6.4	24.0	65	2.9
FiberMax 989 BR	612	32.4	45.6	39.8	31.1	3.8	8.6	6.0	25.1	70	3.0
Deltapine 455 BG/RR	602	30.7	39.8	42.8	33.4	3.3	6.9	5.6	24.7	83	2.8
Deltapine 454 BG/RR	601	31.1	37.0	41.0	32.6	3.4	6.9	5.5	25.4	72	2.6
Stoneville 4575 BR	568	32.2	43.9	40.6	32.1	3.8	8.3	6.2	25.3	73	2.7
FiberMax 960 BR	560	30.2	43.9	39.6	30.7	4.2	8.5	6.0	27.6	72	2.8
Delatpine 488 BG/RR	557	31.7	42.6	40.4	31.2	3.4	7.5	5.5	25.5	58	2.9
FiberMax 989 B2R	547	29.4	44.0	37.9	29.2	3.9	8.6	6.7	23.0	79	2.9
FiberMax 991 BR	537	29.5	42.1	38.9	30.3	3.1	7.2	5.0	24.0	80	2.8
PhytoGen 480 WR	537	27.6	41.9	36.6	27.9	3.1	8.1	5.2	21.9	84	2.8
Stoneville 5242 BR	533	31.4	42.9	42.1	32.2	4.3	8.8	6.9	26.4	88	2.7
Stoneville 5303 R	516	32.0	44.8	41.1	31.3	3.8	8.0	6.0	26.0	75	2.9
Stoneville 4686 R	506	31.0	41.8	39.2	29.5	3.9	8.3	6.0	25.5	65	2.6
NM 03K1028	504	29.6	41.9	38.4	28.7	3.5	8.4	5.7	23.3	50	2.7
PhytoGen 470 WR	498	29.8	42.4	38.4	28.8	3.0	8.5	5.8	20.0	69	2.9
Paymaster 2167 RR	493	31.6	44.8	40.0	29.9	3.7	8.2	5.8	25.5	63	3.1
Stoneville 6636 BR	489	28.6	41.1	39.9	30.1	3.4	7.9	5.5	24.6	54	2.5
PhytoGen 440 W	487	25.7	41.7	38.9	28.9	3.1	8.1	5.8	21.0	73	2.8
PhytoGen 72	481	28.5	34.1	39.6	30.6	4.1	8.9	6.3	25.9	71	2.4
FiberMax 960B2 (Tested as BCSX 0222 B2)	465	29.0	41.7	38.9	28.2	3.7	8.7	6.0	23.9	72	2.9
NM 03N1155	464	26.4	41.0	36.8	27.3	3.8	8.7	5.4	25.2	63	2.6
Deltapine 543 BGII/RR	461	29.2	39.9	39.9	30.1	3.3	6.8	4.9	26.9	68	2.9

Table 11. Cont

Designation	Agronomic Properties										Storm Resistance
	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	% Open Bolls 10-18-05	
		Lint	Seed	Picked	Pulled						
FiberMax 989	461	27.0	37.7	40.3	29.4	3.6	8.2	5.9	24.5	74	2.8
NM 03S1065	460	29.7	45.4	35.7	30.3	3.8	8.5	5.9	22.6	68	2.7
Deltapine 555 BR	448	30.3	38.5	43.3	33.5	3.1	6.2	5.2	26.2	55	2.9
FiberMax 960 B2R	448	27.0	39.1	40.6	31.2	3.8	8.4	6.1	25.4	65	3.0
Stoneville 6848 R	448	29.6	43.6	39.4	29.6	3.5	7.7	5.3	25.9	62	2.5
All-Tex 317 RR	446	27.9	44.5	38.2	28.1	3.2	7.9	5.2	23.6	54	2.8
PhytoGen 410 R	445	26.2	41.8	39.5	29.3	3.1	8.0	5.7	21.7	66	2.6
FiberMax 9166 B2LL	437	29.8	41.5	39.5	29.6	3.4	8.1	5.8	23.1	62	2.8
All-Tex Top-Pick	428	27.1	43.3	37.8	27.5	3.4	8.4	5.8	22.4	81	2.7
PhytoGen 710 R	422	28.6	40.5	38.1	30.4	3.6	8.2	5.4	25.4	50	2.7
Acala 1517-99	395	26.3	39.8	34.3	27.3	3.7	9.1	6.0	21.0	52	2.5
All-Tex AT089	380	27.1	40.9	38.5	28.8	3.5	8.3	5.7	23.6	67	2.6
FiberMax 991 B2R	369	30.8	46.7	38.1	29.0	3.5	8.5	5.6	23.6	72	2.8
PhytoGen 800	270	24.4	39.4	36.4	24.5	2.2	10.4	6.3	12.5	28	2.8
PhytoGen 810 R	252	24.2	39.3	34.3	24.0	2.4	8.8	4.9	16.6	26	2.8
Mean	493	29.2	41.8	39.1	29.7	3.5	8.2	5.8	23.8	67	2.7
C.V.%	13.5	6.5	7.0	2.8	2.7	5.7	3.5	7.1	5.5	18.6	3.2
LSD 0.05	78	3.2	4.9	1.9	1.4	0.3	0.5	0.7	2.2	15	0.1

Table 11A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2005.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^L	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville x0416B2R	4.5	1.04	80.9	27.2	4.7	3	76.1	7.9	31-2,41-1	0.5095	372.95	1
Deltapine 445 BG/RR	4.6	1.06	81.7	28.5	7.1	2	78.9	8.2	21-1,31-1	0.5428	338.71	2
Stoneville 4892 BR	4.4	1.04	81.1	27.1	5.3	3	71.8	9.5	32-2,42-1	0.4943	307.45	6
Stoneville 5599 BR	4.5	1.03	79.1	26.9	4.4	2	76.5	8.0	31-1,41-1	0.5068	315.23	3
FiberMax 989 BR	4.1	1.03	78.5	26.0	4.4	2	77.5	8.3	31-1	0.5150	315.18	4
Deltapine 455 BG/RR	3.8	1.02	78.8	27.6	5.0	2	76.5	9.6	21-4	0.5088	306.30	7
Deltapine 454 BG/RR	4.0	0.98	78.1	24.8	5.1	3	75.5	7.6	41-1	0.4765	286.38	12
Stoneville 4575 BR	4.5	1.04	80.9	27.8	7.8	3	76.5	9.0	31-3	0.5275	299.62	8
FiberMax 960 BR	3.9	1.05	80.1	28.9	4.0	1	78.1	8.2	31-1	0.5308	297.25	10
Delatpine 488 BG/RR	4.2	1.06	79.9	26.4	5.1	2	78.8	8.0	31-1	0.5378	299.55	9
FiberMax 989 B2R	4.0	1.10	81.0	29.0	4.6	1	77.1	8.5	31-1,31-2	0.5625	307.69	5
FiberMax 991 BR	4.2	1.02	78.7	27.8	4.4	1	79.5	8.1	21-2,31-1	0.5058	271.61	14
PhytoGen 480 WR	4.3	1.08	81.5	27.4	7.0	3	75.9	8.2	31-2,41-3	0.5360	287.83	11
Stoneville 5242 BR	4.1	1.01	80.4	24.6	6.0	2	76.3	9.0	31-3	0.4878	260.00	18
Stoneville 5303 R	4.4	1.02	81.0	27.9	4.9	2	78.7	8.7	21-1,31-3	0.5103	263.31	16
Stoneville 4686 R	4.5	1.03	81.3	27.7	7.7	2	77.3	8.6	31-1	0.5090	257.55	20
NM 03K1028	4.0	1.10	81.5	29.6	5.5	3	75.5	7.8	41-1	0.5405	272.41	13
PhytoGen 470 WR	4.4	1.04	80.7	27.3	6.3	3	77.1	8.2	31-1,41-1	0.5103	254.13	22
Paymaster 2167 RR	4.7	0.98	79.7	27.0	5.4	2	74.9	9.4	31-3,31-4	0.4940	243.54	26
Stoneville 6636 BR	4.1	1.07	80.8	27.0	4.0	2	78.0	8.4	31-1	0.5398	263.96	15
PhytoGen 440 W	4.2	1.06	81.4	27.6	6.9	3	74.4	8.9	31-4	0.5403	263.13	17
PhytoGen 72	3.5	1.06	79.9	28.3	5.8	2	74.7	9.2	31-2,32-2	0.5210	250.60	23
FiberMax 960B2 (Tested as BCSX 0222 B2)	3.9	1.08	80.1	29.5	3.7	2	76.8	8.4	31-1,31-4	0.5525	256.91	21
NM 03N1155	3.5	1.16	80.5	29.3	4.4	4	72.7	7.7	41-2,41-4	0.5273	244.67	25
Deltapine 543 BGII/RR	4.5	1.02	78.4	25.1	4.3	1	78.2	8.3	21-2,31-2	0.4940	227.73	32

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
FiberMax 989	4.1	1.05	78.9	28.3	4.3	1	79.0	8.5	21-2	0.5328	245.62	24
NM 03S1065	4.2	1.14	82.4	30.5	5.1	3	75.1	8.4	31-1,41-1	0.5623	258.66	19
Deltapine 555 BR	3.9	1.00	77.5	24.1	3.9	2	79.7	7.4	31-1	0.4830	216.38	35
FiberMax 960 B2R	3.5	1.06	78.9	25.8	3.6	2	76.5	8.1	31-2	0.5273	236.23	30
Stoneville 6848 R	4.3	1.05	81.9	29.8	4.3	2	79.4	8.0	21-2,31-1	0.5340	239.23	27
All-Tex 317 RR	4.0	1.04	80.6	27.9	5.6	2	78.1	8.6	31-1	0.5308	236.74	29
PhytoGen 410 R	3.3	1.04	79.4	26.7	6.4	4	73.7	8.5	41-3	0.4765	212.04	36
FiberMax 9166 B2LL	4.3	1.06	79.9	28.8	3.9	2	77.9	8.6	21-2,31-3	0.5420	236.85	28
All-Tex Top-Pick	4.0	1.06	79.7	26.5	5.5	1	78.8	8.6	21-2	0.5465	233.90	31
PhytoGen 710 R	3.9	1.05	81.6	30.4	7.1	2	76.2	8.4	31-2	0.5315	224.29	33
Acala 1517-99	3.7	1.12	81.6	30.3	4.8	3	74.8	8.1	31-2,41-1	0.5598	221.12	34
All-Tex AT089	4.1	1.05	80.0	27.0	5.2	3	75.2	8.4	31-2,41-3	0.5228	198.66	38
FiberMax 991 B2R	3.9	1.05	79.2	27.4	4.1	2	78.8	8.5	21-2,31-1	0.5403	199.37	37
PhytoGen 800	3.3	1.22	83.4	40.7	5.4	3	69.6	11.5	33-2	0.4775	128.93	39
PhytoGen 810 R	3.5	1.21	83.4	42.1	5.7	2	70.1	12.3	23-4,33-3	0.4938	124.44	40
Mean	4.0	1.06	80.3	28.3	5.2	2	76.4	8.6		0.5210		
C.V.%	5.9	1.7	1.0	2.7	5.9	34.4	1.9	4.6		3.0		
LSD 0.05	0.4	0.03	1.4	1.3	0.5	1	2.5	0.7		0.0262		

^{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.