

Table 11. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-06-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
Paymaster 2167 RR	1495	33.0	49.2	37.9	30.6	4.5	9.4	6.1	27.6	80	3.0
FiberMax 988LLB2	1488	33.5	46.5	40.2	29.6	4.5	9.3	6.5	27.5	50	2.7
FiberMax 960B2R	1469	32.7	45.1	40.4	32.1	4.6	9.4	6.8	27.2	63	2.8
FiberMax 989BR	1436	31.1	44.0	40.4	30.9	4.1	9.7	7.0	23.7	71	2.7
Deltapine 455 BG/RR	1399	34.0	40.9	42.7	36.3	4.1	7.4	5.8	30.7	88	2.6
FiberMax 989	1397	31.0	42.6	41.3	29.8	4.6	9.4	6.8	28.2	36	2.7
Phytogen 370 WR	1363	31.3	41.5	41.0	31.9	4.3	8.9	6.5	26.8	84	2.5
Deltapine 555 BR	1360	33.7	42.9	42.0	33.7	3.8	6.8	5.4	29.7	54	2.6
Phytogen 480 WR	1338	30.7	47.5	37.4	28.5	3.9	8.9	5.7	25.9	75	2.5
Stoneville 4892BR	1326	32.8	45.9	40.1	31.7	4.3	9.5	6.9	25.3	87	2.6
FiberMax 960B2	1325	31.1	44.1	39.8	29.0	4.2	9.9	7.0	23.8	80	2.8
Phytogen 310 R	1318	30.8	39.3	39.7	29.6	4.1	8.8	6.3	25.5	79	2.2
FiberMax 989B2R	1304	31.6	48.6	38.1	30.2	4.8	8.9	5.8	31.4	69	2.8
Deltapine 488 BG/RR	1272	34.5	48.1	40.6	31.5	4.0	8.4	6.0	27.3	74	2.7
All-Tex Magnum RR	1262	32.1	46.4	41.3	31.8	3.7	8.1	5.9	25.8	88	2.6
NM 03K1028	1257	27.7	41.6	37.2	29.6	4.5	9.0	5.8	28.5	76	2.2
Phytogen 72	1254	30.6	44.2	38.8	30.0	4.3	9.5	6.4	26.2	80	1.8
Deltapine 445 BG/RR	1237	34.9	44.0	41.1	31.5	4.1	8.4	6.4	26.2	67	2.3
NM 03S1065	1227	32.3	45.9	37.5	29.6	3.9	9.7	6.3	23.1	59	2.4
Stoneville 5599BR	1223	33.0	46.1	40.4	33.2	4.7	8.9	6.5	29.4	73	2.7
FiberMax x9166LLB2	1203	32.7	47.0	38.8	31.7	4.3	9.3	6.2	26.8	61	2.8
Phytogen 470 WR	1183	28.9	42.9	38.5	29.1	3.9	9.0	6.1	24.7	77	2.7
Acala 1517-99	1182	28.3	44.6	34.7	27.5	4.6	10.3	6.1	26.5	56	1.7
Phytogen 440 W	1164	27.6	40.8	38.3	28.8	3.8	8.7	6.2	23.7	96	2.8
Phytogen 78	1158	30.0	42.6	37.8	28.2	4.6	9.5	6.2	28.0	87	2.4

Table 11A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Pecos, TX, 2006.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Rd	+b	Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
	naire	Length				Index						\$	Rank
Paymaster 2167 RR	5.0	1.01	81.2	28.2	6.8	3	80.8	8.0	21-2	0.4963	741.97	10	
FiberMax 988LLB2	4.6	1.12	80.7	26.6	5.6	2	83.8	7.0	11-2,21-2	0.5785	860.81	1	
FiberMax 960B2R	4.3	1.13	81.8	27.5	5.2	3	84.3	7.0	21-1	0.5818	854.66	2	
FiberMax 989BR	4.2	1.09	81.8	28.2	6.3	3	83.1	7.3	21-1	0.5710	819.96	4	
Deltapine 455 BG/RR	4.5	1.11	81.6	30.0	6.1	2	81.6	7.9	21-1,21-2	0.5800	811.42	5	
FiberMax 989	4.5	1.13	81.8	31.7	5.4	2	82.6	7.4	21-1,21-2	0.5898	823.95	3	
Phytogen 370 WR	4.9	1.05	82.2	28.9	7.2	3	81.2	7.7	21-2,31-1	0.5310	723.75	14	
Deltapine 555 BR	4.2	1.08	80.0	27.3	5.8	3	84.3	6.9	21-1,21-2	0.5583	759.29	7	
Phytogen 480 WR	4.5	1.14	82.8	29.6	7.8	4	80.3	7.1	21-2,31-2	0.5668	758.38	8	
Stoneville 4892BR	5.1	1.06	82.0	26.1	6.8	3	80.2	7.9	21-1,31-1	0.5103	676.66	22	
FiberMax 960B2	4.7	1.12	81.3	30.0	5.6	3	83.3	7.0	21-1,31-1	0.5778	765.58	6	
Phytogen 310 R	4.8	1.03	80.5	26.9	7.2	3	80.9	7.6	31-1	0.5158	679.82	20	
FiberMax 989B2R	4.4	1.12	81.9	29.5	6.2	3	82.5	7.0	31-1	0.5748	749.54	9	
Deltapine 488 BG/RR	4.7	1.12	81.4	26.4	6.7	3	82.5	7.5	21-1	0.5808	738.78	11	
All-Tex Magnum RR	4.3	1.07	80.3	28.7	7.1	2	83.7	7.3	21-1	0.5630	710.51	15	
NM 03K1028	4.4	1.14	83.3	31.5	6.6	3	80.4	7.2	31-1,31-2	0.5775	725.92	13	
Phytogen 72	4.5	1.16	82.6	34.1	6.6	3	79.8	8.3	21-2,31-1	0.5813	728.95	12	
Deltapine 445 BG/RR	4.6	1.10	82.9	29.4	7.2	3	82.7	7.5	21-1,21-2	0.5703	705.46	17	
NM 03S1065	4.4	1.15	82.8	31.8	6.3	3	80.3	7.8	31-1	0.5783	709.57	16	
Stoneville 5599BR	4.5	1.08	81.4	28.6	5.7	3	81.0	7.6	21-2,31-1	0.5670	693.44	19	
FiberMax x9166LLB2	4.3	1.16	81.1	28.8	5.8	3	84.4	6.9	21-1	0.5845	703.15	18	
Phytogen 470 WR	4.6	1.12	82.1	27.4	7.9	3	80.8	7.4	21-2,31-1	0.5735	678.45	21	
Acala 1517-99	4.3	1.16	82.5	32.0	6.1	4	79.9	7.7	31-1	0.5663	669.37	23	
Phytogen 440 W	4.6	1.14	82.3	29.0	7.4	4	79.8	7.4	31-1,31-2	0.5583	649.86	25	
Phytogen 78	4.4	1.13	82.5	33.2	7.5	4	79.4	7.4	31-1	0.5660	655.43	24	

Table 11A. Cont.

Designation	Micro-		Uni-		Elon-	Leaf		Rd	+b	Color	Loan	Gross Loan Value per Acre	
	naire	Length	formity	Strength		gation	Index					Grade <sup>1/</sup>	Value
NM-1517-99-W	4.4	1.14	82.2	32.1	6.2	4	78.9	7.6	31-1,31-2	0.5653	630.31	26	
Phytogen 800	4.0	1.35	83.6	43.9	5.7	3	73.3	10.9	23-1,32-1	0.5278	574.25	30	
Phytogen 710 R	4.4	1.10	82.5	33.2	7.6	3	79.4	7.8	31-1	0.5698	603.42	27	
All-Tex Patriot RR	4.5	1.10	80.7	27.4	6.6	3	82.4	7.7	21-1,21-2	0.5753	595.44	28	
Dyna-Gro OA265 BR	4.3	1.14	83.7	34.7	6.0	3	80.9	7.2	31-1	0.5805	595.01	29	
NM 03N1155	3.4	1.22	81.2	29.9	5.9	5	79.6	6.7	31-2,41-1	0.5115	504.34	31	
Phytogen 810 R	4.0	1.33	83.5	47.2	5.9	3	73.6	11.4	23-2	0.5123	481.05	32	
Paymaster HS 26	5.0	1.07	79.2	31.0	6.9	3	79.8	7.5	31-1	0.5398	391.36	33	
Mean	4.4	1.12	81.8	30.6	6.4	3	80.9	7.6		0.5600			
C.V.%	2.8	1.7	1.2	4.3	4.2	18.8	0.8	3.5		2.6			
LSD 0.05	0.5	0.03	1.8	2.2	0.5	1	1.1	0.5		0.0246			

<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.

Table 11. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-06-06	Resistance
NM-1517-99-W	1115	28.5	41.8	37.9	29.2	3.9	8.9	5.9	25.4	63	2.3
Phytogen 800	1088	27.5	46.0	33.4	24.9	3.6	11.8	6.5	18.3	42	2.5
Phytogen 710 R	1059	28.5	42.9	38.9	30.2	4.1	9.3	6.4	25.5	75	2.6
All-Tex Patriot RR	1035	28.7	45.4	37.8	27.8	3.8	8.8	5.6	25.8	86	2.8
Dyna-Gro OA265 BR	1025	27.6	41.8	37.6	29.2	4.6	10.3	6.6	26.0	87	2.3
NM 03N1155	986	27.5	46.7	36.3	28.6	3.9	8.8	5.4	25.7	73	2.0
Phytogen 810 R	939	26.0	42.8	36.4	27.5	2.9	10.9	6.7	15.5	29	2.5
Paymaster HS 26	725	29.8	48.7	36.0	28.9	4.7	10.1	6.0	28.3	73	3.0
Mean	1230	30.7	44.8	38.8	30.1	4.2	9.2	6.2	26.0	71	2.5
C.V.%	13.6	4.9	4.8	2.5	4.1	5.4	3.5	4.3	5.5	3.1	5.6
LSD 0.05	196	1.8	2.5	1.6	2.1	0.4	0.5	0.5	2.4	26	0.2