

Table 5. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-09-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 989RR	1982	31.6	48.4	39.4	31.5	6.1	11.3	7.7	31.0	78	2.5
FiberMax 958LL	1881	30.6	48.4	37.9	30.6	5.0	11.4	7.3	26.0	79	2.8
Deltapine 444 BG/RR	1862	31.1	46.1	38.2	30.1	5.1	10.7	7.0	27.7	74	2.6
FiberMax 958	1843	30.6	47.1	39.9	34.4	6.3	11.5	7.9	31.9	76	2.9
FiberMax 989	1783	27.7	46.1	38.9	31.3	5.8	10.9	7.2	31.0	72	2.8
Paymaster 2167 RR	1781	30.7	50.2	36.6	28.9	5.4	10.9	6.5	30.2	73	3.1
Phytogen 72	1703	29.8	49.5	37.2	29.9	6.2	11.5	7.1	32.2	87	2.4
FiberMax 955LLB2	1697	30.2	49.5	36.7	28.6	6.1	12.2	7.4	30.4	74	2.8
FiberMax 989B2R	1679	27.6	49.9	36.5	29.1	5.8	11.7	7.0	30.4	69	2.8
Phytogen 310 R	1667	29.9	44.1	39.9	31.8	5.5	10.3	7.1	30.2	88	2.6
AFD 5062LL	1662	28.4	48.6	36.2	27.0	6.0	12.2	7.3	30.0	69	3.0
FiberMax 960RR	1655	27.5	48.9	36.1	30.0	6.7	11.8	7.1	33.9	64	2.9
Phytogen 480 WR	1647	26.9	50.1	34.4	28.7	4.9	10.2	5.7	29.7	72	2.7
Phytogen 470 WR	1645	27.6	47.1	35.8	26.6	4.8	10.8	6.3	27.2	76	2.8
FiberMax 960B2R	1631	28.0	48.1	38.6	32.9	6.0	11.8	7.8	29.7	62	2.8
FiberMax 5044RR	1625	27.4	50.2	34.2	27.2	6.1	11.9	6.5	32.1	72	3.1
Americot 821 R	1619	27.7	50.4	36.6	30.5	5.2	10.0	6.1	31.6	78	2.7
Beltwide 24R	1615	27.9	48.6	37.8	30.8	5.0	9.9	6.3	30.5	67	2.8
Deltapine 432 RR	1609	26.4	47.6	37.8	29.6	5.1	10.3	6.5	29.3	78	2.7
Paymaster 2326 RR	1607	29.1	52.2	33.4	27.2	5.6	11.6	6.1	30.8	87	3.0
Phytogen 370 WR	1602	28.6	45.3	37.7	29.8	5.4	10.5	6.9	29.6	73	2.6
Phytogen 440 W	1596	27.2	45.8	38.2	29.6	5.3	10.4	6.8	30.0	71	2.8
Stoneville NG2448R	1568	27.8	46.9	37.2	28.1	5.4	11.3	7.0	29.0	83	3.1
Stoneville 4895BR	1557	25.4	44.4	37.0	29.2	5.2	11.6	7.2	26.7	61	2.8
Stoneville NG1553R	1532	30.0	53.7	36.1	26.7	4.6	11.2	6.6	25.4	79	3.0

Table 5A. Results of the irrigated regional cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

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 989RR	3.7	1.17	82.8	29.5	6.3	3	83.3	7.3	21-1	0.5745	1138.66	1
FiberMax 958LL	3.9	1.23	83.2	29.5	6.0	3	83.4	6.9	21-1,21-2	0.5830	1096.62	2
Deltapine 444 BG/RR	3.1	1.15	82.7	25.9	7.1	3	82.3	7.4	21-1,21-2	0.5373	1000.45	6
FiberMax 958	4.0	1.19	83.3	30.2	5.9	3	82.6	7.5	21-1,21-2	0.5860	1080.00	3
FiberMax 989	3.4	1.21	83.1	30.7	6.0	3	82.8	7.5	21-1	0.5663	1009.71	4
Paymaster 2167 RR	4.1	1.06	83.0	27.5	8.6	3	80.3	7.5	31-1	0.5435	967.97	7
Phytogen 72	4.3	1.25	84.2	32.3	7.2	3	80.7	8.3	21-1,21-2	0.5915	1007.32	5
FiberMax 955LLB2	3.4	1.23	82.4	27.0	6.1	3	83.1	7.4	21-1	0.5528	938.10	10
FiberMax 989B2R	3.4	1.19	82.9	29.1	6.1	3	81.7	8.1	21-1	0.5595	939.40	9
Phytogen 310 R	3.2	1.11	82.5	26.9	7.0	3	81.3	8.0	21-1,21-2	0.5398	899.85	16
AFD 5062LL	3.9	1.12	82.5	28.7	7.1	4	79.8	6.6	31-2	0.5520	917.42	12
FiberMax 960RR	2.8	1.18	81.3	28.6	5.6	3	83.3	7.6	11-2,21-1	0.5168	855.30	23
Phytogen 480 WR	3.5	1.18	83.9	26.9	8.0	4	79.8	7.6	31-1	0.5543	912.93	13
Phytogen 470 WR	3.7	1.15	82.9	25.4	8.5	3	79.5	8.4	21-2,31-1	0.5715	940.12	8
FiberMax 960B2R	2.8	1.20	81.9	29.5	5.6	2	81.1	7.8	21-1,31-1	0.5173	843.72	26
FiberMax 5044RR	3.5	1.15	82.0	23.4	8.5	3	82.9	7.6	21-1	0.5455	886.44	21
Americot 821 R	3.5	1.13	82.1	26.4	7.7	3	81.7	7.8	21-1,31-1	0.5545	897.74	17
Beltewide 24R	3.5	1.13	82.4	27.1	7.7	3	83.7	7.3	21-1	0.5608	905.69	14
Deltapine 432 RR	3.4	1.15	83.6	25.1	8.1	3	81.6	7.6	21-2	0.5560	894.60	19
Paymaster 2326 RR	4.2	1.09	83.4	27.4	7.8	3	81.2	7.8	21-2	0.5600	899.92	15
Phytogen 370 WR	3.2	1.12	81.5	25.0	7.3	3	81.4	8.2	21-1	0.5293	847.94	25
Phytogen 440 W	3.7	1.16	82.7	26.6	8.3	3	80.2	8.3	21-1,31-1	0.5768	920.57	11
Stoneville NG2448R	3.8	1.14	83.8	30.4	7.2	3	81.8	7.6	21-1,31-1	0.5725	897.68	18
Stoneville 4895BR	3.3	1.11	82.1	26.0	7.0	3	80.4	8.5	21-1,21-2	0.5595	871.14	22
Stoneville NG1553R	3.8	1.18	83.0	29.0	7.7	3	82.7	7.1	21-2,31-1	0.5820	891.62	20

Table 5A. 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
Deltapine 555 BG/RR	2.9	1.15	80.5	24.8	6.4	3	83.4	8.1	11-1,11-2	0.5093	749.69	30
Paymaster 2266 RR	4.2	1.11	83.0	26.8	8.0	3	81.5	7.8	21-1,21-2	0.5815	850.15	24
AFD 3511RR	4.2	1.13	82.7	28.5	6.8	3	81.3	7.8	21-2,31-1	0.5780	839.26	27
Paymaster 2280 BG/RR	3.3	1.15	82.6	30.0	7.3	4	81.8	7.3	21-2,31-1	0.5350	731.88	31
All-Tex Excess RR	3.5	1.16	82.5	30.6	7.6	3	81.2	7.6	21-2,31-1	0.5698	778.92	28
All-Tex Atlas RR	4.5	1.05	82.6	28.7	7.7	3	81.1	7.7	21-2	0.5338	721.16	32
Dyna-Gro OA265 BR	3.5	1.22	84.4	33.5	6.5	2	82.1	7.5	21-1,21-2	0.5768	778.10	29
Bronco 141	3.5	1.16	82.4	27.8	6.9	3	82.3	7.5	21-1,31-1	0.5618	683.71	33
Mean	3.6	1.15	82.7	30.0	7.1	3	81.7	7.6		0.5570		
C.V.%	7.9	1.5	0.9	4.8	4.9	11.8	0.7	2.8		3.5		
LSD 0.05	0.5	0.03	1.3	2.3	0.6	1	0.9	0.4		0.0332		

^{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.

Table 5. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 10-09-06	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Deltapine 555 BG/RR	1472	28.7	47.5	38.3	30.9	5.0	8.8	5.7	33.2	45	2.8
Paymaster 2266 RR	1462	27.2	49.5	33.9	26.4	6.5	12.6	6.8	32.2	90	3.0
AFD 3511RR	1452	26.9	51.8	33.7	27.4	5.8	12.0	6.4	30.7	78	3.1
Paymaster 2280 BG/RR	1368	25.1	48.6	35.0	27.9	5.8	11.5	6.5	31.2	78	3.0
All-Tex Excess RR	1367	24.2	48.3	34.0	25.0	6.2	12.4	6.7	31.5	79	3.0
All-Tex Atlas RR	1351	26.8	47.4	35.7	29.0	5.8	11.6	6.7	31.0	78	3.1
Dyna-Gro OA265 BR	1349	24.7	44.0	33.7	26.1	5.9	12.8	6.9	28.9	68	2.4
Bronco 141	1217	26.5	51.0	35.1	26.5	5.9	11.9	6.7	30.5	87	3.2
Mean	1609	28.0	48.3	36.6	29.1	5.6	11.2	6.8	30.1	75	2.8
C.V.%	7.0	6.0	4.4	2.6	5.6	8.1	3.3	5.1	7.8	19.6	2.9
LSD 0.05	132	2.8	3.6	1.6	2.7	0.8	0.6	0.6	4.0	17	0.1