

Table 24. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-01-06	Storm Resistance
		Lint	Seed	Picked	Pulled						
Stoneville 5599BR	417	31.8	49.8	41.5	32.4	4.6	9.3	6.9	27.8	32	2.8
FiberMax 958	379	29.3	45.4	38.8	28.4	4.8	8.9	6.1	30.2	76	3.0
FiberMax 989RR	376	30.1	47.7	37.2	28.7	4.1	8.8	5.5	23.2	57	2.6
FiberMax 960RR	362	29.3	44.5	41.2	29.2	4.1	10.4	7.7	21.7	15	2.9
FiberMax 958LL	357	28.7	44.9	39.2	27.6	4.2	9.1	6.4	25.7	58	2.9
Phytogen 470 WR	329	28.7	48.7	38.8	30.0	4.0	9.1	6.2	25.0	45	2.8
FiberMax 5044RR	323	31.0	50.0	36.1	28.6	4.0	9.1	5.7	25.3	79	3.0
Phytogen 440 W	318	31.0	49.6	39.1	29.9	3.4	8.4	5.8	23.2	67	2.8
AFD 3602RR	315	25.3	40.9	38.5	27.3	4.0	9.4	6.3	24.6	52	2.9
AFD 5062LL	308	28.8	40.2	38.3	28.7	3.8	9.1	6.2	23.6	68	2.9
Phytogen 72	304	29.0	47.8	38.8	29.6	4.3	9.1	6.2	27.1	71	2.5
All-Tex Patriot RR	303	29.0	49.6	37.4	26.1	3.0	8.4	5.4	21.0	30	2.8
Paymaster 2326 RR	289	24.7	41.7	36.2	27.3	3.7	8.1	5.1	26.1	85	3.1
FiberMax 960B2R	283	30.6	49.4	41.2	30.1	4.4	10.0	7.4	24.4	9	2.9
Paymaster 2266 RR	283	27.0	49.0	36.4	27.6	4.4	9.6	5.9	27.0	59	3.0
Stoneville NG3969R	281	27.5	48.6	37.4	27.0	3.3	8.1	5.2	23.6	60	3.1
Beltwide Cotton Genetics 24R	262	28.2	50.0	39.8	26.5	3.1	7.3	5.2	23.2	40	2.9
Paymaster 2167 RR	253	27.8	42.5	38.9	28.1	3.4	7.9	5.4	24.3	76	3.1
Phytogen 310 R	253	28.3	43.9	40.1	30.6	3.9	8.3	6.2	24.9	50	2.8
Stoneville 4892BR	252	27.9	40.7	40.6	30.1	3.8	8.5	6.3	24.5	39	2.9
Dyna-Gro OA265 BR	250	28.4	49.8	36.9	26.8	4.3	10.5	6.6	23.9	33	2.6
Deltapine 555BR	239	30.2	45.0	41.1	32.0	3.4	6.9	5.3	26.3	21	2.8
Deltapine 455 BG/RR	238	29.4	43.8	41.7	29.4	3.2	6.6	5.2	26.0	39	2.8
Deltapine 434 RR	231	28.9	45.4	43.0	32.0	3.9	8.2	6.7	24.8	21	2.9
Stoneville NG2448R	229	29.2	47.8	37.9	27.8	3.9	9.2	6.0	24.1	70	2.9

Table 24A. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, 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
Stoneville 5599BR	3.8	1.01	80.4	29.2	7.1	3	79.6	8.5	21-1,31-1	0.5023	209.46	1
FiberMax 958	4.1	1.04	80.5	29.7	6.6	3	80.8	8.0	21-2	0.5198	197.00	3
FiberMax 989RR	4.2	1.03	81.8	31.7	7.3	3	80.4	8.2	21-1,21-2	0.5305	199.47	2
FiberMax 960RR	4.5	1.03	81.5	28.4	6.7	3	80.5	8.4	11-2,31-1	0.5115	185.16	5
FiberMax 958LL	4.5	1.05	80.5	29.3	6.0	2	81.3	7.8	21-2	0.5350	191.00	4
Phytogen 470 WR	3.9	1.02	81.4	28.9	8.3	3	79.3	8.3	21-2	0.5113	168.22	6
FiberMax 5044RR	3.7	1.01	80.8	28.2	8.2	3	79.7	8.5	21-1,21-2	0.5100	164.73	7
Phytogen 440 W	3.8	1.03	81.3	29.4	8.7	3	78.7	8.4	21-2,31-1	0.5013	159.41	10
AFD 3602RR	4.1	1.01	80.6	31.3	6.9	3	79.8	8.4	21-1,21-2	0.5075	159.86	9
AFD 5062LL	4.5	0.97	81.1	29.8	7.0	3	77.9	8.4	21-4,31-2	0.5003	154.09	12
Phytogen 72	4.3	1.06	81.1	34.6	7.9	3	78.6	8.8	21-2,31-1	0.5355	162.79	8
All-Tex Patriot RR	4.3	1.03	80.8	28.1	7.8	3	80.1	8.3	21-1,21-2	0.5253	159.17	11
Paymaster 2326 RR	4.0	0.97	80.6	31.5	7.5	3	79.8	8.2	31-1	0.5010	144.79	14
FiberMax 960B2R	4.6	1.06	81.5	29.9	5.6	3	80.6	8.4	21-2,21-1	0.5213	147.53	13
Paymaster 2266 RR	4.4	0.96	80.4	29.7	8.8	3	79.2	8.2	31-1	0.4955	140.23	16
Stoneville NG3969R	3.9	1.01	81.0	30.5	8.5	3	80.9	8.4	21-1,21-2	0.5140	144.43	15
Beltwide Cotton Genetics 24R	3.5	0.98	80.1	29.1	8.1	3	81.8	8.4	11-2,21-1	0.4830	126.55	18
Paymaster 2167 RR	5.0	0.91	80.3	30.5	7.9	3	79.0	8.4	31-1	0.4690	118.66	23
Phytogen 310 R	3.5	0.97	80.4	29.3	7.3	3	80.1	8.7	21-1	0.4820	121.95	22
Stoneville 4892BR	5.1	0.99	82.2	28.4	7.5	3	78.1	9.4	21-3,21-4	0.4918	123.93	19
Dyna-Gro OA265 BR	4.5	1.05	81.5	34.8	7.9	3	78.7	8.5	21-2,31-1	0.5360	134.00	17
Deltapine 555BR	3.5	0.99	79.7	26.3	6.9	3	82.2	8.2	11-2,21-1	0.4800	114.72	24
Deltapine 455 BG/RR	3.9	1.02	80.3	30.1	7.2	3	78.0	9.5	21-2,21-3	0.5135	122.21	21
Deltapine 434 RR	3.8	1.05	80.6	26.4	8.2	3	81.1	8.3	21-1	0.5335	123.24	20
Stoneville NG2448R	5.1	0.96	80.1	30.1	8.1	3	78.7	8.8	21-2,31-1	0.4863	111.36	25

Table 24A. 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
Phytogen 480 WR	3.4	1.01	80.2	28.0	8.3	4	78.4	8.6	31-1	0.4758	108.01	27
Phytogen 370 WR	4.7	1.00	81.0	28.3	7.8	3	79.4	8.9	21-1	0.4900	106.33	28
Americot 821R	4.5	0.96	80.0	26.9	8.3	3	78.7	8.8	21-2,21-4	0.4868	104.66	29
All-Tex Atlas RR	4.8	0.92	78.6	28.5	8.1	3	78.4	8.7	21-231-1	0.4798	100.76	30
Deltapine 494 RR	4.4	1.06	81.0	30.4	7.8	3	78.9	8.6	21-2,31-1	0.5465	108.21	26
AFD 3511 RR	5.1	0.96	80.5	29.9	7.4	3	78.3	9.1	21-3,31-1	0.4865	90.98	32
All-Tex Excess RR	4.7	0.98	80.2	30.0	8.5	3	79.3	7.9	31-1	0.4950	92.56	31
Mean	4.2	1.00	80.7	29.6	7.6	3	79.6	8.5		0.5050		
C.V.%	10.4	2.4	1.1	5.6	5.5	12.1	0.9	4.8		3.9		
LSD 0.05	0.7	0.04	1.6	2.8	0.7	1	1.2	0.7		0.0334		

^{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 24. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-01-06	Resistance
Phytogen 480 WR	227	24.9	45.1	37.3	26.9	3.3	8.0	5.2	22.9	39	2.7
Phytogen 370 WR	217	28.2	43.5	38.3	27.7	3.3	7.6	5.2	24.7	37	2.8
Americot 821R	215	26.7	40.8	39.8	29.7	4.3	8.5	6.0	28.6	38	2.8
All-Tex Atlas RR	210	30.1	48.0	37.8	31.0	4.2	8.4	5.5	28.7	54	3.0
Deltapine 494 RR	198	28.2	45.1	40.1	28.6	3.4	7.5	5.3	25.8	56	2.8
AFD 3511 RR	187	25.2	43.5	36.7	24.6	3.4	9.3	5.9	21.0	74	3.0
All-Tex Excess RR	187	22.5	38.4	39.4	29.1	4.7	9.8	6.5	28.4	41	2.9
Mean	277	28.3	45.6	38.9	28.7	3.8	8.6	5.9	25.0	50	2.9
C.V.%	26.5	5.5	6.0	3.4	5.4	11.2	6.1	9.0	9.4	44.2	2.4
LSD 0.05	86	2.7	4.6	2.2	2.6	0.7	0.9	0.9	4.0	26	0.1