

Table 27. Results of the regional dryland cotton variety test at the AG-CARES Farm, Lamesa, TX, 2006.

Designation	Agronomic Properties									
	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Storm Resistance
		Lint	Seed	Picked	Pulled					
Stoneville 5599BR	243	30.3	43.8	40.4	23.9	4.2	9.3	6.8	25.2	2.9
Deltapine 488 BG/RR	212	32.1	43.3	39.7	30.1	3.2	7.9	5.7	22.5	2.8
Deltapine 515 BG/RR	211	30.1	42.7	40.9	27.7	2.7	7.5	5.6	19.5	2.9
Stoneville 4892BR	210	29.5	41.5	40.9	28.0	3.0	8.8	6.5	18.7	2.8
FiberMax 960B2R	208	30.4	43.8	37.6	30.7	3.4	9.9	6.5	20.0	3.0
FiberMax 960RR	204	31.9	45.5	40.3	29.3	4.7	9.9	7.1	26.5	3.0
Deltapine 555 BR	201	32.8	40.1	41.2	35.5	3.1	6.5	5.1	24.5	2.8
Paymaster 2167 RR	194	31.0	43.8	39.0	31.7	3.5	8.0	5.4	25.0	3.1
Phytogen 310 R	194	30.0	40.3	41.3	27.7	2.9	8.4	6.4	18.9	2.8
Americot 821R	190	30.7	43.1	41.1	25.8	2.4	8.0	5.8	17.3	2.9
FiberMax 966LL	176	29.2	42.5	39.4	23.3	2.9	9.9	6.8	16.5	2.9
Phytogen 470 WR	173	29.0	41.6	39.2	25.9	2.8	8.4	5.9	18.4	2.8
Deltapine 455 BG/RR	172	31.8	41.1	42.0	31.7	2.8	7.5	5.9	20.1	2.9
Phytogen 440 W	170	27.2	40.7	38.6	25.9	4.3	8.5	5.8	28.2	2.8
AFD 5062LL	167	29.6	39.6	40.4	30.4	3.5	8.7	6.4	21.8	2.9
FiberMax 958	165	28.5	39.7	39.1	27.2	3.2	9.2	6.5	19.6	3.0
Dyna-Gro 06064 B2RF	164	26.8	42.0	38.7	32.0	3.6	8.3	5.9	24.2	2.8
All-Tex Excess RR	163	26.6	39.6	38.3	34.4	2.9	8.8	5.7	19.5	3.0
FiberMax 960B2	163	27.7	42.9	38.3	25.8	2.9	9.5	6.3	17.5	2.9
All-Tex Magnum RR	161	30.0	42.8	40.1	25.5	2.4	7.5	5.3	18.1	2.9
Phytogen 370 WR	161	27.4	37.7	39.9	27.2	2.9	8.7	6.3	18.2	2.8
Paymaster 2266 RR	160	27.8	40.7	37.2	27.6	3.1	8.6	5.7	20.3	3.1
FiberMax 955LLB2	160	28.3	43.4	37.3	26.9	3.8	10.1	6.5	22.0	3.0
AFD 3511 RR	159	27.1	43.1	36.9	27.4	2.7	8.9	5.7	17.1	3.0
Phytogen 480 WR	155	27.5	41.6	37.3	25.2	2.0	7.6	5.0	14.8	2.9

Table 27A. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, 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	5.1	1.05	80.8	27.9	5.8	4	75.4	8.2	31-2,41-1	0.4828	117.32	3
Deltapine 488 BG/RR	4.7	1.08	80.7	28.6	6.1	3	76.2	8.4	31-1,31-2	0.5625	119.25	1
Deltapine 515 BG/RR	4.8	1.04	80.6	28.5	5.8	4	76.6	8.1	31-1,41-1	0.5130	108.24	5
Stoneville 4892BR	5.2	1.05	82.4	27.6	6.3	3	75.7	8.6	31-2,31-4	0.5010	105.21	6
FiberMax 960B2R	5.0	1.11	81.1	29.0	5.2	3	78.1	7.6	31-2	0.5683	118.21	2
FiberMax 960RR	4.7	1.07	80.8	29.0	5.4	3	78.6	8.1	31-1	0.5408	110.32	4
Deltapine 555 BR	4.6	1.01	78.8	26.8	5.9	3	79.0	7.6	31-1,31-2	0.5020	100.90	7
Paymaster 2167 RR	4.9	0.95	80.5	26.0	6.4	4	74.2	8.9	31-4,41-3	0.4703	91.24	10
Phytogen 310 R	4.9	1.02	80.8	26.4	7.3	4	76.4	8.1	31-2,41-1	0.4953	96.09	8
Americot 821R	4.9	1.00	80.2	27.3	6.8	3	75.3	8.9	31-2,31-4	0.4975	94.52	9
FiberMax 966LL	4.8	1.05	80.8	30.3	5.2	3	77.0	7.7	41-1	0.5155	90.73	13
Phytogen 470 WR	4.8	1.04	81.0	28.2	7.7	5	74.3	8.2	41-1	0.4943	85.51	16
Deltapine 455 BG/RR	4.6	1.06	80.3	28.4	6.0	4	75.9	9.0	31-3,31-4	0.5280	90.82	12
Phytogen 440 W	4.7	1.06	81.8	29.6	7.4	5	73.7	8.3	41-1,41-2	0.4963	84.37	17
AFD 5062LL	4.7	0.97	79.2	24.9	5.8	4	74.0	8.4	41-1,41-3	0.4715	78.74	21
FiberMax 958	4.8	1.08	81.1	28.2	5.4	3	77.3	8.0	31-2	0.5523	91.13	11
Dyna-Gro 06064 B2RF	4.1	1.01	79.9	25.6	7.5	5	75.5	7.7	41-1	0.4758	78.03	24
All-Tex Excess RR	4.7	0.98	80.5	29.2	6.9	4	74.3	8.6	41-1,41-3	0.4855	79.14	20
FiberMax 960B2	5.0	1.11	82.2	31.7	5.2	4	77.0	8.0	31-2	0.5473	89.21	14
All-Tex Magnum RR	4.9	1.01	80.7	26.9	6.7	3	77.8	8.3	31-1,31-2	0.5000	80.50	19
Phytogen 370 WR	4.8	1.00	80.2	27.9	7.0	5	75.2	8.4	31-2,41-2	0.4843	77.97	25
Paymaster 2266 RR	4.5	0.99	79.0	28.4	6.9	4	74.6	8.8	31-3,41-1	0.4878	78.05	23
FiberMax 955LLB2	5.0	1.13	81.5	27.0	5.8	3	78.1	8.0	31-1,31-2	0.5500	88.00	15
AFD 3511 RR	4.6	0.99	79.7	27.1	6.4	4	74.7	8.9	31-4,41-5	0.4915	78.15	22
Phytogen 480 WR	4.8	1.04	81.9	30.4	7.6	5	74.2	8.3	41-1,41-3	0.4890	75.80	27

Table 27A. 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
Beltwide Cotton Genetics 24R	5.0	1.00	80.0	26.1	6.9	3	77.2	8.4	31-1	0.4948	74.71	29
AFD 3602RR	4.6	1.01	80.6	27.4	5.8	3	76.1	8.7	31-2,31-3	0.5000	75.50	28
FiberMax 958LL	4.8	1.10	80.3	29.2	5.0	4	77.0	7.9	31-2,41-1	0.5475	81.58	18
Dyna-Gro OA265 BR	4.5	1.07	81.4	35.2	5.9	4	75.1	8.2	41-1	0.5280	77.09	26
FiberMax 5044RR	4.4	1.03	80.4	27.5	7.3	3	76.5	8.9	31-3	0.5198	72.25	30
Stoneville NG2448R	4.8	1.03	81.7	30.8	6.7	3	75.1	9.1	31-3,31-4	0.5185	70.00	31
FiberMax 5013	4.7	0.96	79.6	29.1	6.3	4	74.0	8.2	41-1,41-3	0.4868	65.23	32
All-Tex Atlas RR	4.7	0.96	79.2	28.0	6.8	4	75.4	9.0	31-2,31-4	0.4835	64.31	33
Paymaster 2326 RR	4.8	1.02	79.5	26.9	6.6	4	73.6	8.8	41-3	0.4925	64.03	34
Phytogen 72	4.5	1.06	79.8	31.2	6.7	4	74.4	9.1	31-4,41-4	0.5245	61.89	35
Stoneville NG3969R	4.3	1.04	81.1	28.8	6.6	3	76.9	8.7	31-1	0.5183	55.46	36
Mean	4.7	1.03	80.5	28.3	6.3	4	75.8	8.4		0.5090		
C.V.%	2.1	1.8	0.9	4.2	4.7	13.4	0.8	2.9		2.6		
LSD 0.05	0.2	0.03	1.3	2.0	0.5	1	1.0	0.4		0.0220		

^{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 27. Cont.

Designation	Yield	Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	Resistance
Beltwide Cotton Genetics 24R	151	28.0	40.2	39.1	26.9	3.2	7.6	5.3	25.4	2.9
AFD 3602RR	151	27.9	43.0	39.5	30.2	3.7	8.9	6.1	23.5	3.0
FiberMax 958LL	149	27.7	40.7	38.8	21.4	2.6	9.2	6.2	16.3	3.0
Dyna-Gro OA265 BR	146	25.8	36.4	38.1	32.1	4.3	10.0	6.6	24.7	2.8
FiberMax 5044RR	139	29.7	44.7	38.3	29.1	3.0	8.1	5.5	20.4	3.1
Stoneville NG2448R	135	25.4	39.8	36.6	27.2	3.1	9.5	6.0	18.6	3.1
FiberMax 5013	134	28.1	43.0	37.8	27.9	3.6	8.7	5.8	23.3	2.9
All-Tex Atlas RR	133	26.5	40.3	36.7	23.6	2.9	8.7	5.6	18.7	3.0
Paymaster 2326 RR	130	26.8	40.3	39.9	23.9	2.1	8.0	5.4	15.6	3.0
Phytogen 72	118	27.3	40.5	39.4	28.1	2.3	8.5	6.0	15.3	2.6
Stoneville NG3969R	107	29.2	44.3	37.9	23.6	2.4	7.8	5.2	17.3	3.1
Mean	166	28.7	41.6	39.0	27.8	3.1	8.6	5.9	20.4	2.9
C.V.%	22.3	6.1	5.6	2.0	11.1	26.3	4.8	4.4	24.3	2.2
LSD 0.05	44	3.0	3.9	1.3	5.3	1.4	0.7	0.4	8.4	0.1