

Table 27. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2004.

Designation	Yield	Agronomic Properties							
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll
Stoneville 2454 R	623	30.6	40.9	38.5	29.3	5.9	10.6	7.2	31.2
Concho 257	614	29.2	44.6	39.1	30.2	5.7	10.4	6.8	32.8
Concho 287	576	26.9	42.9	37.1	28.0	5.3	10.0	6.2	31.3
Stoneville NG1553 R	572	27.7	46.1	37.4	28.6	4.5	9.7	6.0	28.1
FiberMax 958 LL	571	27.7	40.5	39.0	29.0	5.3	10.1	6.7	30.9
Beltwide Cotton Genetics 50 R	568	28.0	46.0	35.6	27.0	5.3	9.8	5.7	33.5
Beltwide Cotton Genetics 520 RR	556	28.1	46.3	35.9	28.5	6.1	11.1	6.5	33.9
Stoneville 4686 R	535	25.9	39.3	39.5	29.4	4.8	9.6	6.7	28.4
All-Tex Atlas	519	26.6	44.9	32.5	24.5	4.7	11.2	6.0	25.9
Paymaster 2266 RR	519	27.0	43.2	34.2	26.0	5.3	10.8	6.2	29.9
AFD 2485	518	27.2	39.9	39.4	29.0	5.5	10.3	7.0	30.9
AFD 2428	517	28.0	42.0	39.5	30.6	5.5	10.1	6.9	31.5
Von Roeder Western 180	507	24.1	42.8	34.9	26.5	5.3	9.9	5.5	33.6
FiberMax 958	494	27.6	39.4	37.2	27.1	4.9	10.3	6.7	27.5
Stoneville NG2448 R	485	26.6	41.9	37.4	28.0	4.7	9.6	6.1	28.8
Paymaster 2145 RR	485	27.3	42.4	37.6	29.5	5.5	10.1	6.4	32.6
FiberMax 5035 LL	484	24.1	42.3	34.3	25.0	4.7	10.0	5.5	29.1
Stoneville 5599 BR	480	27.8	38.8	40.2	30.3	5.3	9.6	6.8	31.5
Paymaster 2326 RR	478	26.0	42.0	34.5	26.6	5.0	9.6	5.5	31.5
Paymaster 2167 RR	475	28.0	41.6	34.3	25.8	3.7	8.8	5.1	25.2
AFD 3511 RR	471	25.2	45.1	34.5	27.3	5.5	10.5	5.8	32.5
AFD 3602 RR	468	24.4	38.5	37.4	27.9	4.9	10.2	6.4	28.8
Stoneville NG3969 R	463	23.8	39.0	36.1	27.6	4.5	9.1	5.4	30.2
Acala 1517-99	461	25.1	40.9	36.6	27.7	5.0	10.9	6.6	27.4
Stoneville 5303 R	461	28.1	39.0	39.8	29.0	4.6	9.2	6.3	29.2

Table 27. Cont.

Designation	Yield	Agronomic Properties							
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll
		Lint	Seed	Picked	Pulled				
PhytoGen 410 R	455	25.3	39.7	36.4	27.6	4.7	9.7	5.9	29.1
FiberMax x2031 LL	452	24.4	37.5	38.5	27.5	5.2	10.6	7.0	29.0
All-Tex Top-Pick	450	25.6	43.8	36.0	26.3	4.9	9.3	5.5	31.6
Deltapine 434 RR	449	25.5	36.3	38.7	29.0	5.0	9.0	6.0	32.4
FiberMax 819 RR	441	27.1	39.6	38.7	28.6	4.4	8.6	5.7	29.5
All-Tex Atlas RR	433	26.3	43.9	35.2	26.6	5.1	9.8	5.7	31.9
Stoneville 4892 BR	424	24.8	38.7	31.2	23.7	4.5	9.7	5.2	27.0
Deltapine 494 RR	422	28.4	39.7	37.6	27.2	4.6	9.1	5.8	30.0
Deltapine 488 BG/RR	409	21.2	34.5	38.7	30.1	5.5	9.5	6.3	34.2
FiberMax 960 RR	409	24.7	36.4	40.0	27.5	5.4	10.7	7.5	28.7
FiberMax 5013	378	25.8	39.9	34.1	24.8	4.9	10.2	5.9	28.0
Stoneville 4793 R	373	24.4	37.9	38.6	28.9	5.0	10.1	6.8	28.6
Deltapine 458 B/RR	361	22.3	38.4	32.2	23.7	3.9	7.8	4.2	30.1
FiberMax 989 RR	358	24.0	36.5	38.5	28.5	5.1	9.3	6.1	32.0
Stoneville 6848 R	354	24.4	43.6	34.0	26.1	5.0	9.4	5.1	33.6
Beltwide Cotton Genetics 30 R	351	21.4	38.9	34.5	25.7	4.5	9.2	5.0	30.8
Hazera 195	345	18.5	35.4	35.0	24.4	3.7	11.1	6.4	20.1
Stoneville 474	341	23.7	38.8	33.0	23.6	4.4	9.3	5.3	27.5
Stoneville 3664 R	332	26.0	39.2	37.4	27.6	5.1	9.8	6.1	30.9
Tamcot Luxor	309	26.1	39.8	36.5	26.5	5.8	10.6	6.7	31.5
Mean	461	25.8	40.6	36.6	27.4	5.0	9.8	6.1	30.0
C.V.%	14.2	4.1	3.3	2.3	3.8	6.7	4.6	4.6	6.2
LSD 0.05	77	1.8	2.2	1.4	1.7	0.6	0.8	0.5	3.1

Storm resistance ratings were not made because differences were not apparent.

Table 27A. Results of the dryland regional cotton variety test at the AG-CARES Farm, Lamesa, TX, 2004.

Designation	Micro-		Uni-	Strength	Elon-	Leaf	Rd	+b	Color	Loan	Gross Loan Value per Acre	
	naire	Length	formity								Grade ^{1/}	Value
Stoneville 2454 R	4.7	0.96	81.2	24.6	7.5	1	75.7	10.8	12-2,22-2	0.4688	292.06	3
Concho 257	4.3	1.03	81.6	28.6	7.4	2	75.7	8.1	31-2,41-1	0.5060	310.68	1
Concho 287	4.5	1.00	81.3	28.9	9.0	3	75.4	8.6	31-3,41-1	0.4845	279.07	6
Stoneville NG1553 R	3.9	1.06	82.3	27.7	9.2	2	76.4	8.0	31-1,41-1	0.5310	303.73	2
FiberMax 958 LL	4.7	1.04	81.1	28.3	6.6	1	76.9	9.2	21-4,31-3	0.5080	290.07	4
Beltwide Cotton Genetics 50 R	4.9	0.98	81.4	28.5	8.7	1	77.0	9.1	21-4,31-3	0.4873	276.79	7
Beltwide Cotton Genetics 520 RR	5.0	1.01	82.9	28.1	7.6	2	75.7	8.6	31-4	0.4748	263.99	10
Stoneville 4686 R	3.7	1.03	81.6	25.2	7.3	2	75.8	10.0	22-1,31-3	0.5040	269.64	8
All-Tex Atlas	4.5	1.00	81.4	27.8	8.0	3	75.4	8.9	21-4,41-1	0.4853	251.87	13
Paymaster 2266 RR	4.6	0.98	81.4	27.2	8.3	2	74.5	9.3	31-3,31-4	0.4843	251.35	14
AFD 2485	4.0	1.08	82.4	28.3	4.9	2	76.5	9.3	21-4,31-3	0.5463	282.98	5
AFD 2428	4.3	0.98	80.2	25.3	7.1	1	73.8	10.7	22-1,32-1	0.4680	241.96	17
Von Roeder Western 180	4.1	1.02	81.4	26.8	6.9	1	74.8	9.6	31-3,31-4	0.5070	257.05	12
FiberMax 958	4.3	1.08	82.5	27.7	5.2	2	75.9	8.9	21-4,41-3	0.5403	266.91	9
Stoneville NG2448 R	4.2	1.01	81.9	27.8	8.2	3	75.8	8.2	31-4,41-1	0.4948	239.98	18
Paymaster 2145 RR	4.8	0.95	80.1	27.3	7.0	2	74.7	9.0	31-3,41-3	0.4755	230.62	25
FiberMax 5035 LL	4.1	1.00	81.6	28.0	9.5	3	73.9	8.3	41-3	0.4845	234.50	20
Stoneville 5599 BR	4.3	0.99	81.4	28.4	6.2	3	72.1	10.0	32-2,42-1	0.4740	227.52	28
Paymaster 2326 RR	4.2	0.99	81.8	27.4	7.8	2	74.5	8.9	31-3,41-3	0.4863	232.45	22
Paymaster 2167 RR	4.7	0.95	80.4	25.5	7.5	3	74.0	8.9	31-4,41-3	0.4718	224.10	29
AFD 3511 RR	4.2	1.03	81.1	27.7	6.7	2	75.7	9.3	31-2,32-1	0.5013	236.11	19
AFD 3602 RR	4.0	1.00	81.4	26.0	6.8	2	75.8	9.7	22-2,31-1	0.4880	228.38	27
Stoneville NG3969 R	4.1	1.02	82.2	27.3	8.3	1	76.3	9.2	21-4,31-1	0.5010	231.96	23
Acala 1517-99	3.7	1.13	83.6	30.4	5.6	3	74.9	9.1	31-3,31-4	0.5648	260.37	11
Stoneville 5303 R	4.1	0.99	81.8	25.6	6.8	2	74.7	9.2	31-3,31-4	0.4833	222.80	30

Table 27A. Cont.

Designation	Micro-		Uni-	Strength	Elon-	Leaf	Rd	+b	Color	Loan	Gross Loan Value per Acre	
	naire	Length	formity								Grade ^{1/}	Value
PhytoGen 410 R	4.4	1.05	83.5	26.6	9.9	3	72.3	9.1	41-3	0.5130	233.42	21
FiberMax x2031 LL	3.9	1.08	82.1	26.6	5.6	2	76.5	9.1	31-3	0.5453	246.48	15
All-Tex Top-Pick	3.8	1.06	81.4	26.8	9.0	2	77.0	9.4	21-3,31-3	0.5378	242.01	16
Deltapine 434 RR	4.0	1.04	81.5	24.9	8.1	3	74.1	9.7	31-4,32-1	0.5093	228.68	26
FiberMax 819 RR	4.0	1.05	82.6	27.0	7.4	2	78.1	8.1	31-1,31-2	0.5243	231.22	24
All-Tex Atlas RR	4.6	0.99	80.9	27.5	7.8	2	74.5	9.5	31-4,32-1	0.4825	208.92	32
Stoneville 4892 BR	4.1	1.00	81.6	24.6	7.5	3	74.1	11.0	22-2	0.4725	200.34	35
Deltapine 494 RR	3.7	1.05	82.2	26.6	7.7	2	75.7	9.3	31-3	0.5218	220.20	31
Deltapine 488 BG/RR	3.2	1.08	81.4	25.9	6.6	2	75.2	10.1	22-2,31-3	0.5003	204.62	33
FiberMax 960 RR	3.4	1.04	79.9	25.2	5.3	2	75.7	10.1	21-4,22-2	0.4925	201.43	34
FiberMax 5013	4.5	0.99	82.1	28.0	7.8	2	75.0	8.7	31-4,41-1	0.4850	183.33	37
Stoneville 4793 R	4.2	1.00	82.3	24.9	8.0	2	74.8	9.8	31-3,32-1	0.4740	176.80	40
Deltapine 458 B/RR	3.5	1.03	80.8	25.4	6.9	2	77.9	9.9	21-3	0.4938	178.26	38
FiberMax 989 RR	3.8	1.01	80.6	26.5	6.8	2	76.1	9.6	22-2,31-3	0.4965	177.75	39
Stoneville 6848 R	4.1	1.06	83.0	28.7	7.7	2	74.2	9.7	31-3,32-1	0.5283	187.02	36
Beltwide Cotton Genetics 30 R	4.0	1.01	80.3	24.4	6.6	3	75.2	9.4	31-3	0.4853	170.34	41
Hazera 195	2.9	1.21	81.8	30.6	6.7	4	69.5	10.1	42-1	0.4355	150.25	44
Stoneville 474	3.9	1.01	80.8	24.7	7.3	2	71.9	10.7	32-2,33-1	0.4705	160.44	43
Stoneville 3664 R	4.3	0.97	81.9	26.4	7.6	2	75.2	9.8	31-3	0.4858	161.29	42
Tamcot Luxor	4.6	1.00	81.6	26.6	6.7	3	73.1	8.2	41-3,41-4	0.4835	149.40	45
Mean	4.1	1.02	81.6	26.9	7.3	2	75.0	9.3		0.4970		
C.V.%	6.2	1.8	0.9	2.2	5.8	34.0	1.3	5.8		2.8		
LSD 0.05	0.4	0.03	1.1	1.0	0.7	1	1.6	0.9		0.0234		

^{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.