

Table 24. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-15-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Hazera HA 195	1126	26.6	41.0	36.1	26.0	3.7	10.7	6.8	19.6	47	2.0
Deltapine 488 BG/RR	1034	31.0	42.5	40.3	29.4	4.3	8.8	6.2	27.6	38	2.3
Stoneville 5599 BR	1019	32.1	43.7	40.4	31.3	4.8	9.6	6.9	28.3	23	2.7
FiberMax 958	984	29.7	42.2	40.6	29.1	4.8	10.0	7.2	27.4	44	2.9
Deltapine 434 RR	982	32.0	43.6	41.9	31.4	4.6	9.1	6.9	27.9	44	2.2
FiberMax 960 RR	981	33.6	47.0	40.9	31.7	5.3	10.2	7.4	29.0	22	2.9
Deltapine 455 BG/RR	966	34.0	44.1	43.1	32.0	3.7	7.9	6.3	25.3	40	1.8
Deltapine 5415 RR	945	31.0	43.9	40.2	29.6	4.1	8.2	5.8	28.7	27	2.5
Deltapine 494 RR	936	32.4	43.7	41.6	27.8	4.3	8.6	6.5	27.3	37	2.2
Hazera 14-05	929	25.3	42.1	34.5	27.0	4.1	10.6	6.2	22.8	40	2.3
Hazera 72-05	928	27.1	44.0	35.2	26.6	4.3	11.0	6.8	22.5	56	2.3
FiberMax 989 RR	927	31.3	42.8	40.5	30.2	5.0	9.3	6.6	30.0	24	2.5
PhytoGen 310 R	901	29.9	40.1	41.4	30.1	4.2	8.8	6.6	26.0	31	1.8
All-Tex Patriot RR	891	30.1	46.4	39.2	27.8	4.3	8.7	5.9	28.3	31	2.5
Deltapine 445 BG/RR	885	31.8	42.7	41.4	32.4	4.6	8.7	6.8	28.2	35	2.1
FiberMax 958 LL	878	28.4	41.5	39.5	29.5	4.8	9.6	6.7	28.0	50	2.8
Stoneville NG2448 R	867	30.5	47.3	37.8	27.6	5.0	10.1	6.5	29.0	45	2.9
Deltapine 454 BG/RR	860	30.4	38.7	43.7	32.6	3.8	8.2	6.9	24.4	41	1.7
Stoneville 5303 R	854	32.1	44.0	41.3	30.7	4.9	9.4	6.9	29.3	35	2.5
AFD 3602 RR	852	28.1	45.4	38.1	28.8	4.9	10.7	6.9	27.1	46	2.9
Stoneville 4686 R	851	31.8	44.6	41.0	30.5	4.4	8.8	6.5	27.7	30	1.9
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	847	29.8	44.1	38.6	28.7	5.4	11.4	7.7	27.2	59	2.8
Stoneville 3664 R	829	30.0	41.2	40.7	31.2	4.7	9.4	6.8	27.8	35	3.3
Deltapine 444 BG/RR	804	29.6	40.3	41.8	30.1	4.0	9.1	6.9	24.1	42	1.6
Stoneville 5242 BR	797	33.9	42.0	39.9	30.4	4.6	9.5	7.2	25.8	31	1.6

Table 24. Cont

Designation	Agronomic Properties										% Open Bolls 10-18-05	Storm Resistance
	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll			
		Lint	Seed	Picked	Pulled							
All-Tex Magnum RR	786	30.5	42.5	43.3	31.8	3.8	8.2	6.2	26.4	31	2.5	
Stoneville NG3969 R	773	27.7	43.7	38.4	28.1	4.0	8.5	5.6	27.4	34	3.2	
PhytoGen 410 R	765	26.8	40.2	38.1	28.6	4.1	9.6	6.5	24.0	48	1.9	
All-Tex Atlas	744	27.5	46.5	35.8	26.0	5.2	10.5	6.2	29.8	63	3.0	
Stoneville 474	698	29.2	40.5	42.0	30.8	4.7	9.0	7.0	28.1	29	2.1	
All-Tex Atlas RR	694	26.9	44.5	36.5	26.5	4.7	9.9	6.0	28.4	62	3.4	
Stoneville NG1553 R	694	26.4	45.3	35.3	26.5	4.9	11.0	6.3	27.3	66	2.9	
Mean	876	29.9	43.2	39.6	29.4	4.5	9.5	6.6	26.9	40	2.4	
C.V. %	9.2	5.6	5.1	2.8	4.6	8.7	3.2	4.0	8.4	27.2	6.9	
LSD 0.05	95	2.8	3.7	1.9	2.3	0.7	0.5	0.4	3.8	13	0.2	

Table 24A. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2005.

Designation	Micro-		Uni-	Elon-	Leaf	Color			Loan	Gross Loan Value per Acre		
	naire	Length	formity	gation	Index	Rd	+b	Grade ^{1/}	Value	\$	Rank	
Hazera HA 195	4.0	1.22	82.6	34.9	7.1	5	64.9	10.1	43-2,53-2	0.4623	520.55	6
Deltapine 488 BG/RR	4.1	1.07	79.3	28.0	6.1	2	74.8	9.6	31-3	0.5498	568.49	1
Stoneville 5599 BR	4.4	1.03	79.3	28.4	5.5	2	73.3	10.0	32-1,32-2	0.4975	506.95	10
FiberMax 958	4.3	1.10	81.1	29.9	4.8	2	75.6	9.0	31-3,31-4	0.5665	557.44	2
Deltapine 434 RR	4.3	1.06	79.1	25.8	7.4	2	76.4	9.0	31-3	0.5368	527.14	3
FiberMax 960 RR	3.8	1.04	79.1	28.6	4.3	2	77.1	8.9	21-2,31-3	0.5278	517.77	8
Deltapine 455 BG/RR	4.1	1.07	80.9	28.0	5.9	1	74.5	9.9	31-3,32-1	0.5413	522.90	5
Deltapine 5415 RR	4.5	1.07	81.3	28.1	7.6	2	75.8	9.2	31-3	0.5498	519.56	7
Deltapine 494 RR	4.3	1.10	81.3	29.3	6.5	1	74.8	9.6	31-4,32-1	0.5470	511.99	9
Hazera 14-05	4.0	1.24	82.0	34.6	7.4	4	65.5	10.2	43-1,53-1	0.4630	430.13	20
Hazera 72-05	4.3	1.19	81.9	34.9	7.9	5	62.4	10.2	53-1,53-2	0.4505	418.06	25
FiberMax 989 RR	4.0	1.09	80.6	29.8	5.2	1	77.2	8.9	21-4,31-3	0.5680	526.54	4
PhytoGen 310 R	4.5	1.05	81.0	27.7	7.1	3	74.1	9.6	31-3,32-2	0.5193	467.89	14
All-Tex Patriot RR	4.0	1.09	81.6	27.1	6.7	2	75.8	9.2	31-3	0.5625	501.19	11
Deltapine 445 BG/RR	4.2	1.06	81.3	28.5	8.4	2	74.7	9.6	31-3	0.5408	478.61	13
FiberMax 958 LL	4.2	1.08	81.1	29.4	5.4	3	74.9	8.9	31-4	0.5525	485.10	12
Stoneville NG2448 R	4.2	1.05	81.6	30.1	6.7	2	74.1	9.8	31-3,32-1	0.5233	453.70	15
Deltapine 454 BG/RR	3.8	1.02	78.9	27.0	6.2	2	73.8	8.9	31-4,41-3	0.5003	430.26	19
Stoneville 5303 R	4.5	1.02	81.8	28.4	5.8	1	76.1	9.5	31-3	0.5078	433.66	17
AFD 3602 RR	4.2	1.05	80.3	28.8	5.6	2	76.6	9.4	21-4,31-3	0.5320	453.26	16
Stoneville 4686 R	4.6	1.05	81.2	27.5	9.2	2	72.7	9.9	32-1,32-2	0.5085	432.73	18
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	4.4	1.03	81.4	28.2	5.7	4	73.5	8.1	41-1,41-4	0.4958	419.94	22
Stoneville 3664 R	4.5	1.00	81.0	28.4	6.8	2	75.2	9.5	31-3	0.4985	413.26	26
Deltapine 444 BG/RR	4.0	1.06	81.3	27.5	6.4	3	73.1	9.4	31-3,42-1	0.5208	418.72	24
Stoneville 5242 BR	4.3	1.01	79.8	26.3	6.6	1	76.2	9.7	21-4	0.5093	405.91	28

Table 24A. Cont.

Designation	Micro-	Uni-	Elon-	Leaf	Color	Loan	Gross Loan Value per Acre					
	naire	Length	formity	Strength			gation	Index	Rd	+b	Grade ^{1/}	Value
All-Tex Magnum RR	4.3	1.05	81.3	27.6	7.3	1	78.0	9.1	21-2,21-4	0.5340	419.72	23
Stoneville NG3969 R	3.7	1.07	82.1	29.5	7.8	2	76.8	9.1	31-1,31-3	0.5445	420.90	21
PhytoGen 410 R	4.6	1.06	82.3	27.5	8.2	3	73.0	9.4	31-4	0.5378	411.42	27
All-Tex Atlas	4.6	1.04	82.2	29.4	7.0	2	75.7	8.7	31-2,31-4	0.5183	385.62	30
Stoneville 474	4.6	1.04	81.6	26.4	6.6	2	75.0	9.8	21-4,31-4	0.5290	369.24	31
All-Tex Atlas RR	4.3	1.00	80.9	28.4	6.8	1	76.0	9.2	31-3	0.5010	347.69	32
Stoneville NG1553 R	3.9	1.10	81.3	29.3	7.5	2	74.9	9.0	31-3,31-4	0.5620	390.03	29
Mean	4.2	1.07	81.0	28.8	6.6	2	74.1	9.4		0.5240		
C.V. %	3.4	1.4	1.1	2.6	4.9	35.1	1.7	2.2		3.3		
LSD 0.05	0.2	0.03	1.6	1.3	0.5	1	2.1	0.4		0.0293		

^{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.