

Table 24. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2004.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-09-04	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 989 RR	709	27.7	45.6	36.1	27.5	4.7	10.3	6.2	27.2	14	2.6
Deltapine 434 RR	664	29.2	43.7	38.7	29.5	4.8	10.2	6.8	27.4	37	2.7
AFD 2428	626	27.6	45.8	37.5	28.9	5.5	10.9	7.0	29.2	38	2.8
Stoneville 5599 BR	625	25.9	45.4	36.6	28.4	5.2	11.1	6.7	28.2	21	2.4
FiberMax 958 LL	612	26.4	45.7	36.2	27.1	5.1	11.4	6.8	26.9	36	2.8
Stoneville 4686 R	606	27.4	45.7	36.5	27.6	4.3	10.6	6.5	24.1	25	1.8
FiberMax 960 RR	605	27.0	45.7	36.8	27.2	5.1	11.8	7.2	25.8	14	3.0
AFD 2485	604	27.5	45.2	36.6	27.0	5.0	11.2	6.8	26.8	34	3.0
Stoneville NG3969 R	589	25.2	46.1	35.5	28.0	4.3	9.7	5.6	27.6	46	3.1
Beltwide Cotton Genetics 50 R	586	25.6	49.7	32.9	25.4	4.5	11.5	5.9	25.5	47	3.0
Stoneville 4793 R	585	26.4	43.0	36.2	27.1	5.0	10.9	6.6	27.2	28	1.8
Stoneville 3664 R	578	29.2	47.1	38.2	29.8	5.3	10.8	7.0	29.0	41	3.2
FiberMax X2031 LL	576	25.9	45.2	35.5	26.3	5.0	11.7	6.8	26.6	29	3.2
Deltapine 5415 RR	565	26.8	46.8	34.5	26.6	4.3	10.0	5.5	26.9	26	2.8
AFD 3602 RR	564	26.7	48.3	35.4	27.4	5.4	12.0	6.8	27.9	31	2.9
Stoneville 4892 BR	562	27.7	45.9	36.8	27.6	4.7	10.9	6.7	25.5	23	2.7
Stoneville 5303 R	559	27.3	45.3	37.4	28.5	5.2	10.8	6.7	28.9	33	2.7
Deltapine 494 RR	556	27.9	45.3	37.5	28.6	4.7	10.0	6.3	27.9	36	2.7
FiberMax 819 RR	555	27.2	46.8	35.9	27.4	4.7	10.2	6.1	27.6	35	2.7
Stoneville 474	551	27.3	43.3	36.9	26.8	4.6	10.6	6.6	25.7	34	2.5
Beltwide Cotton Genetics 30 R	544	26.1	48.2	33.6	25.6	4.1	10.1	5.3	25.8	34	2.9
FiberMax 5044 RR	542	26.2	47.9	35.4	26.8	5.3	11.4	7.1	26.3	30	3.2
Stoneville NG2448 R	532	26.9	47.4	36.1	27.0	5.1	11.1	6.6	28.0	45	3.0
Hazera 195-05	526	24.0	38.5	35.0	25.6	4.2	11.3	6.7	22.1	53	1.5
FiberMax 958	520	25.3	44.6	36.5	27.5	5.1	11.3	6.8	27.4	32	3.1

Table 24. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-09-04	Storm Resistance
		Lint	Seed	Picked	Pulled						
All-Tex 306 RR	512	28.1	49.9	35.8	27.4	4.6	10.5	6.1	26.8	51	2.5
FiberMax 5035 LL	510	22.4	43.5	33.4	24.5	4.6	10.7	5.5	28.3	44	2.9
Stoneville NG1553 R	500	26.7	47.4	35.6	27.4	5.3	11.6	6.7	27.7	56	3.0
PhytoGen 410 R	493	25.2	44.7	34.6	26.7	4.1	10.5	6.0	23.7	42	2.2
All-Tex Atlas	480	23.6	44.5	34.0	24.8	4.9	11.2	6.1	27.4	58	3.0
Beltwide Cotton Genetics 520 RR	476	24.8	46.4	34.3	25.8	5.1	11.2	6.2	29.0	54	2.6
Stoneville 6848 R	476	26.1	45.3	36.0	27.6	4.7	10.7	6.4	26.5	27	1.4
Stoneville 2454 R	472	26.0	44.1	36.8	27.4	5.0	11.1	6.8	27.3	51	2.2
AFD 3511 RR	470	23.8	45.8	36.4	28.6	6.3	11.7	7.0	32.7	41	3.3
Hazera 195	438	19.4	40.2	33.1	23.9	4.0	13.0	6.3	21.9	39	1.5
<u>Paymaster 183</u>	<u>430</u>	<u>26.0</u>	<u>47.1</u>	<u>35.5</u>	<u>26.0</u>	<u>4.7</u>	<u>10.4</u>	<u>6.0</u>	<u>27.7</u>	<u>57</u>	<u>4.1</u>
Mean	550	26.2	45.6	35.8	27.1	4.8	10.9	6.4	26.9	37	2.7
C.V.%	10.7	5.3	5.1	2.5	4.2	7.8	4.1	7.4	8.7	23.4	5.4
LSD 0.05	69	2.4	3.9	1.5	1.9	0.6	0.8	0.8	4.0	10	0.2

Table 24A. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2004.

Designation	Micro-		Uni-	Elon-	Leaf	Color	Loan	Gross Loan Value per Acre				
	naire	Length						formity	Strength	gation	Index	Rd
FiberMax 989 RR	3.5	1.13	81.9	32.7	4.3	3	72.8	8.0	41-1,41-4	0.5440	385.70	1
Deltapine 434 RR	4.0	1.14	82.8	28.1	6.4	3	71.6	8.7	41-3	0.5423	360.09	2
AFD 2428	3.8	1.08	80.7	29.2	6.2	3	70.4	9.0	41-4,42-2	0.5203	325.71	6
Stoneville 5599 BR	3.9	1.10	81.0	32.0	4.7	4	69.8	8.8	41-4	0.5423	338.94	3
FiberMax 958 LL	3.9	1.14	82.3	32.8	3.9	3	70.6	8.3	41-4	0.5473	334.95	4
Stoneville 4686 R	4.0	1.12	81.5	29.1	5.8	3	70.1	8.7	41-4	0.5410	327.85	5
FiberMax 960 RR	3.3	1.15	81.5	32.4	3.6	3	72.0	8.0	41-2,41-4	0.5135	310.67	9
AFD 2485	4.0	1.12	81.4	32.0	3.6	3	69.3	8.2	41-4,51-3	0.5248	316.98	8
Stoneville NG3969 R	3.8	1.12	81.9	29.9	6.3	2	69.6	9.0	41-4,42-2	0.5263	309.99	10
Beltwide Cotton Genetics 50 R	4.3	1.09	81.6	30.5	5.8	3	70.6	9.0	41-3,41-4	0.5410	317.03	7
Stoneville 4793 R	4.3	1.08	82.4	29.0	5.9	3	68.7	9.3	42-2	0.5028	294.14	15
Stoneville 3664 R	4.1	1.04	82.2	28.8	6.1	3	70.3	8.9	41-4	0.5130	296.51	13
FiberMax X2031 LL	3.8	1.16	81.9	32.7	3.3	4	69.4	7.9	51-3	0.5023	289.32	19
Deltapine 5415 RR	3.9	1.12	82.6	30.1	6.5	2	72.2	8.1	41-1,41-4	0.5425	306.51	11
AFD 3602 RR	4.1	1.08	81.0	30.4	4.4	3	70.3	9.1	41-4,42-1	0.5213	294.01	16
Stoneville 4892 BR	3.9	1.08	82.2	29.5	6.0	3	70.0	8.9	41-4,42-1	0.5155	289.71	18
Stoneville 5303 R	4.2	1.08	84.3	31.2	5.5	2	70.8	8.7	41-4	0.5388	301.19	12
Deltapine 494 RR	3.8	1.15	82.3	32.9	5.4	4	69.3	8.7	41-4,42-2	0.5243	291.51	17
FiberMax 819 RR	3.8	1.16	83.0	31.8	5.2	2	70.4	7.7	51-3	0.5063	281.00	21
Stoneville 474	4.1	1.09	82.4	29.0	5.7	2	68.3	9.2	42-2,52-1	0.4905	270.27	23
Beltwide Cotton Genetics 30 R	4.1	1.12	80.8	29.9	5.4	2	70.2	8.6	41-4	0.5430	295.39	14
FiberMax 5044 RR	4.0	1.08	81.4	29.0	7.9	3	69.7	9.4	42-1,42-2	0.5005	271.27	22
Stoneville NG2448 R	4.7	1.08	81.8	31.3	5.6	3	68.9	9.3	42-2	0.5015	266.80	24
Hazera 195-05	4.5	1.24	82.9	38.1	5.9	5	55.4	9.6	63-2	0.4328	227.65	34
FiberMax 958	3.8	1.14	82.0	32.4	3.6	3	70.1	8.5	41-4	0.5465	284.18	20

Table 24A. Cont.

Designation	Micro-		Uni-	Strength	Elon-	Leaf	Rd	+b	Color	Loan	Gross Loan Value per Acre	
	naire	Length									formity	gation
All-Tex 306 RR	4.4	1.09	81.8	28.8	6.1	3	66.8	9.0	42-2,52-2	0.4875	249.60	26
FiberMax 5035 LL	4.4	1.04	82.1	29.2	8.1	4	68.4	8.2	51-3	0.4835	246.58	27
Stoneville NG1553 R	4.4	1.13	80.7	30.7	6.0	2	69.9	9.2	42-2	0.5075	253.75	25
PhytoGen 410 R	4.0	1.11	83.3	29.9	6.8	4	66.7	9.2	52-1	0.4743	233.83	32
All-Tex Atlas	4.7	1.06	81.7	29.7	6.1	3	68.6	8.8	42-2,51-3	0.4933	236.78	30
Beltwide Cotton Genetics 520 RR	4.6	1.10	82.2	31.3	5.6	3	68.5	9.0	41-4,52-1	0.5105	243.00	29
Stoneville 6848 R	4.1	1.14	82.7	32.6	4.5	3	68.2	8.6	51-3,52-1	0.4948	235.52	31
Stoneville 2454 R	4.3	1.07	81.2	29.1	6.9	3	70.1	9.0	41-4,42-2	0.5175	244.26	28
AFD 3511 RR	4.4	1.09	82.0	30.3	5.2	4	68.0	9.2	42-2,52-1	0.4898	230.21	33
Hazera 195	3.8	1.28	85.1	36.1	5.6	5	63.7	10.2	53-1,53-2	0.4520	197.98	35
Paymaster 183	5.0	0.97	79.7	28.3	6.7	2	66.5	9.6	43-2,52-1	0.4170	179.31	36
Mean	4.1	1.11	82.0	30.8	5.5	3	69.0	8.8		0.5100		
C.V.%	3.9	1.4	1.2	2.3	8.2	22.2	1.2	2.9		3.0		
LSD 0.05	0.3	0.03	1.6	1.2	0.8	1	1.4	0.4		0.0261		

^{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.