

Table 23. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2002.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 8-22-02	Storm Resistance
		Lint	Seed	Picked	Pulled						
All-Tex Atlas	176	24.3	37.8	37.5	25.6	3.6	8.6	5.4	25.1	40	3.0
Paymaster 2326 RR	164	25.0	38.6	36.5	24.8	3.3	7.7	4.9	24.7	42	3.0
Deltapine 458 BG/RR	161	28.8	38.8	42.2	29.8	2.9	6.8	5.2	23.5	15	2.7
Paymaster 2167 RR	160	26.6	37.6	38.2	25.5	3.3	7.6	5.0	25.2	59	3.3
Syngenta NX 2108 ss	158	27.3	39.0	40.9	27.8	3.1	7.6	5.6	22.4	60	2.7
Stoneville 4892 BR	156	28.8	36.5	42.2	29.6	3.1	7.4	5.7	22.8	14	2.9
PhytoGen 355	155	28.3	38.3	41.7	24.6	2.6	7.1	5.4	19.8	70	2.4
FiberMax 5013	154	24.6	38.8	39.6	25.1	3.3	7.7	5.3	24.3	68	3.0
PhytoGen 98M-2983	154	27.1	34.0	44.5	29.1	3.0	7.2	6.1	21.9	9	2.7
Stoneville 457	152	24.3	33.3	41.4	27.2	2.9	7.5	5.7	21.2	43	2.6
Stoneville 2454 R	148	25.9	36.1	41.1	27.9	3.2	7.9	5.8	23.0	37	2.8
AFD 2070	147	27.2	37.7	39.3	24.5	3.3	7.6	5.4	23.4	79	3.0
Bronco 73	143	24.0	40.6	37.2	25.7	4.0	9.2	5.7	25.7	41	3.2
FiberMax 966	143	24.6	32.2	41.9	27.9	3.3	7.9	6.1	23.0	49	2.6
Stoneville 4793 R	141	27.3	35.0	42.5	29.8	3.3	7.9	6.2	22.4	28	2.9
AFD 2485	140	27.0	35.5	40.3	25.5	2.9	6.9	5.1	22.6	61	3.0
Stoneville 474	138	27.2	34.2	42.2	26.8	2.6	7.0	5.6	19.6	31	2.6
FiberMax 819	138	25.5	31.2	40.7	26.6	2.7	7.5	5.7	18.9	51	2.6
TTU Sphinx 13	135	25.8	38.1	37.2	23.8	3.3	8.7	5.6	22.2	67	2.7
All-Tex 011	134	26.1	39.1	37.9	24.3	3.9	8.8	5.7	26.1	46	2.9
All-Tex Atlas RR	132	26.3	39.1	37.7	25.2	3.3	7.7	5.0	24.7	62	3.1
AFD 3511RR	129	25.3	41.3	35.9	25.1	3.4	7.8	4.7	25.5	71	3.0
Syngenta NX 2429	129	25.4	35.0	39.5	24.4	2.5	7.4	5.3	18.7	67	2.4
FiberMax 958	125	26.4	34.3	42.4	27.5	3.1	7.4	5.8	22.9	47	3.0
Paymaster 2266 RR	125	23.9	36.8	37.2	25.3	3.6	8.0	5.1	26.2	66	3.1

Table 23. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	8-22-02	Resistance
Acala 1517-99	123	24.4	33.3	43.5	28.3	3.0	8.0	6.4	20.1	46	2.3
Tamcot Luxor	121	24.1	35.4	38.9	23.2	3.4	7.7	5.3	25.1	46	2.6
TTU Hol 338-276	107	22.0	33.4	37.9	23.0	3.5	9.1	6.0	22.4	21	2.9
All-Tex 005	103	25.4	40.3	37.4	23.9	3.5	8.1	5.1	25.7	43	2.9
Paymaster 183	100	21.2	37.6	33.8	21.2	3.4	8.0	4.3	26.7	83	4.0
Stoneville 5303 R	80	27.0	36.7	40.7	27.0	3.5	8.1	5.9	24.0	6	2.9
Mean	137	25.7	36.6	39.7	26.0	3.2	7.8	5.5	23.2	47	2.8
C.V.%	19.8	5.9	6.8	3.5	6.3	8.8	5.3	6.5	6.4	32.5	4.6
LSD 0.05	32	2.6	4.2	2.4	2.8	0.5	0.7	0.6	2.5	18	0.2

Table 23A. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2002.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
All-Tex Atlas	3.9	0.96	79.2	27.2	5.0	3	71.5	7.8	41-4	0.4660	69.43	8
Paymaster 2326 RR	4.1	0.94	78.9	25.5	4.7	3	71.6	7.8	41-4	0.4405	72.24	3
Deltapine 458 BG/RR	4.4	0.94	79.9	26.4	5.1	3	73.7	9.1	22-2,41-4	0.4550	68.20	10
Paymaster 2167 RR	4.3	0.91	79.1	24.0	4.4	3	72.9	8.7	31-3,41-4	0.4353	71.91	4
Syngenta NX 2108 ss	3.9	0.93	78.0	24.0	4.3	3	72.8	9.1	32-1,41-2	0.4335	61.64	15
Stoneville 4892 BR	4.7	0.93	79.8	24.9	4.9	3	71.2	8.9	41-42-1	0.4380	66.21	11
PhytoGen 355	4.4	0.96	80.5	26.7	5.6	3	71.5	7.8	41-2,41-4	0.4685	84.10	1
FiberMax 5013	4.0	0.93	79.6	25.0	4.6	3	73.1	8.5	31-4,41-4	0.4468	63.22	12
PhytoGen 98M-2983	4.9	0.96	80.5	26.6	5.3	3	71.6	7.8	41-4	0.4623	69.94	7
Stoneville 457	4.7	0.97	81.3	29.1	7.0	3	71.5	7.8	41-4	0.4685	72.39	2
Stoneville 2454 R	4.5	0.94	80.6	26.4	5.0	2	73.6	8.7	31-3,41-4	0.4595	71.58	5
AFD 2070	3.7	0.93	79.3	23.6	4.3	3	71.4	8.0	41-2,41-4	0.4333	63.07	14
Bronco 73	3.6	0.93	78.5	24.9	4.4	3	71.4	7.8	41-4	0.4395	63.21	13
FiberMax 966	3.9	0.95	79.6	27.8	3.3	3	71.7	7.9	41-2,41-4	0.4535	70.30	6
Stoneville 4793 R	4.7	0.92	79.5	24.8	4.7	3	71.7	7.8	41-2,41-4	0.4388	54.12	26
AFD 2485	3.9	0.95	79.3	24.1	3.3	3	73.2	9.1	31-3,41-4	0.4450	58.99	20
Stoneville 474	4.9	0.94	80.2	24.6	4.3	2	70.1	10.5	32-2,43-1	0.4158	69.01	9
FiberMax 819	4.1	0.95	79.9	27.4	4.0	3	71.5	7.9	41-4	0.4610	59.75	19
TTU Sphinx 13	4.0	0.94	79.2	26.6	4.2	2	71.7	9.8	32-2,42-1	0.4478	54.80	25
All-Tex 011	4.1	0.94	79.8	26.5	4.0	3	71.5	7.7	41-2	0.4493	55.29	24
All-Tex Atlas RR	4.0	0.92	79.0	25.8	4.8	3	72.8	8.7	31-3,41-4	0.4448	59.86	18
AFD 3511RR	3.7	0.94	79.2	25.4	3.9	3	71.4	7.9	41-4	0.4495	56.65	23
Syngenta NX 2429	4.2	0.96	79.8	25.7	5.7	3	69.3	10.3	42-1,43-1	0.4408	58.65	21
FiberMax 958	3.9	0.94	78.2	23.8	3.6	*						
Paymaster 2266 RR	3.7	0.93	78.7	25.0	4.9	3	72.9	8.7	31-3,41-4	0.4438	46.57	28

Table 23A. 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
Acala 1517-99	3.7	1.03	80.8	30.3	4.5	3	71.1	8.6	41-4,42-1	0.4783	43.98	29
Tamcot Luxor	4.1	0.94	79.8	24.0	3.8	3	72.6	9.1	32-1,41-4	0.4418	60.53	17
TTU Hol 338-276	3.9	1.06	80.8	31.7	4.5	3	73.5	8.7	31-3,41-4	0.5118	60.61	16
All-Tex 005	4.0	0.94	80.4	26.9	4.0	3	71.3	8.0	41-4	0.4570	47.76	27
Paymaster 183	3.9	0.87	78.2	24.8	4.3	3	71.9	7.7	41-2	0.4315	37.16	30
Stoneville 5303 R	4.9	0.91	80.4	25.9	4.2	1	74.3	10.5	22-2,32-1	0.4255	35.30	31
Mean	4.1	0.94	79.6	25.9	4.5	3	72.0	8.5		0.4490	60.60	
C.V.%	5.5	2.1	0.9	3.9	5.9	17.5	2.0	10.5		2.7	20.3	
LSD 0.05	0.4	0.03	1.2	1.7	0.4	1	2.4	1.5		0.0209	20.95	

* Fiber sample was too small for HVI analysis.

^{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.