

Table 21. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2003.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 09-29-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
Syngenta N 2108ss	203	31.8	44.7	39.5	29.4	3.3	8.3	5.7	22.6	55	2.9
Beltwide Cotton Genetics 28R	183	29.9	41.4	42.0	32.0	3.0	7.3	6.0	22.8	46	3.1
Paymaster HS 26	174	26.8	43.5	37.5	27.4	3.4	8.4	5.4	23.9	67	3.0
AFD 2074	173	28.1	43.6	38.8	28.9	3.9	8.4	5.5	25.3	48	3.0
AFD 2070	170	29.5	43.1	40.1	29.1	3.2	8.1	5.7	22.2	50	2.9
FiberMax 5013	170	28.7	44.5	36.1	25.9	3.6	8.5	5.4	23.8	57	2.8
Paymaster 2379 RR	168	28.9	45.3	38.0	27.1	3.0	8.4	5.5	20.6	61	3.2
FiberMax 989	167	26.7	40.4	40.0	29.3	3.5	8.4	5.9	24.1	6	2.7
Stoneville 2448 R	167	29.2	44.8	37.1	27.2	3.8	9.2	5.9	23.5	61	3.1
FiberMax 966	163	28.2	41.9	40.8	29.4	3.5	8.4	6.2	23.0	22	2.9
Deltapine 5415 RR	160	30.5	44.5	40.8	30.6	2.9	7.1	5.0	23.8	30	2.8
Paymaster 145	160	29.4	43.8	38.9	29.0	3.5	9.1	6.3	21.8	72	3.3
AFD 2485	159	28.4	39.2	40.4	29.2	3.2	8.4	6.0	21.4	23	3.1
Beltwide Cotton Genetics 24R	158	29.5	44.0	37.4	27.8	2.5	7.0	4.6	20.7	45	3.1
Stoneville 5303 R	156	27.5	42.9	38.7	28.2	3.2	8.1	5.4	23.5	18	2.7
Stoneville 4793 R	149	29.5	39.7	41.8	31.7	3.5	9.1	6.9	21.2	20	2.8
FiberMax 958	148	28.1	38.6	41.4	29.3	3.0	7.9	5.9	20.6	26	3.0
Stoneville 2454 R	145	27.9	41.9	38.2	28.7	3.1	7.9	5.3	22.0	44	2.8
Deltapine 458 B/RR	143	27.2	42.4	39.2	29.8	2.9	6.8	4.6	24.0	7	2.6
FiberMax 5017	142	27.7	41.8	38.8	27.7	3.7	9.4	6.3	22.2	38	2.8
All-Tex Atlas	141	26.4	43.8	35.2	25.1	3.3	9.2	5.5	21.1	64	3.0
FiberMax 5024 BXN	138	26.3	42.9	36.5	26.2	3.1	8.2	5.0	22.4	51	3.1
Stoneville 474	135	30.0	40.7	41.6	30.6	3.2	8.3	6.4	20.6	29	2.7
Deltapine 494 RR	130	28.6	39.4	40.9	31.2	3.2	7.1	5.3	24.6	11	2.9
Hazera HA 195	124	24.4	43.5	33.4	23.1	2.3	9.7	5.3	14.1	33	2.4

Table 21. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 09-29-03	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
FiberMax 819	122	26.4	38.0	40.3	28.5	2.6	7.4	5.4	19.0	10	2.8
Hazera HA 175	114	20.2	40.5	30.9	21.7	2.2	9.7	4.8	14.8	75	1.4
Hazera HA 14	95	22.3	44.2	31.6	21.3	2.9	12.0	5.9	15.5	38	2.3
Mean	152	27.8	42.3	38.4	28.0	3.1	8.4	5.6	21.6	39	2.8
C.V.%	19.5	3.3	3.2	3.8	4.2	7.3	3.8	5.5	4.9	33.7	3.3
LSD 0.05	35	1.6	2.3	3.0	2.4	0.4	0.5	0.5	1.8	16	0.1

Table 21A. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2003.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Syngenta N 2108ss	5.4	0.97	80.3	27.7	7.2	1	75.1	9.3	31-3	0.4418	89.69	1
Beltwide Cotton Genetics 28R	5.2	1.02	81.1	27.8	6.5	1	74.9	9.2	31-3,31-4	0.4615	84.45	2
Paymaster HS 26	4.9	0.96	81.2	30.2	8.3	1	74.3	8.9	31-4,41-3	0.4690	81.61	4
AFD 2074	5.1	0.99	81.1	29.1	7.7	1	74.3	9.2	31-3,31-4	0.4568	79.03	8
AFD 2070	4.9	0.92	79.2	27.5	6.7	1	74.4	9.3	31-4	0.4725	80.32	6
FiberMax 5013	5.1	0.96	81.6	29.3	7.7	2	73.9	8.6	41-3	0.4440	75.48	11
Paymaster 2379 RR	5.3	0.94	80.7	29.4	8.9	1	74.7	9.3	31-3,31-4	0.4410	74.09	13
FiberMax 989	5.0	1.02	80.9	30.7	5.9	1	76.1	9.0	31-3	0.4845	80.91	5
Stoneville 2448 R	5.0	1.00	81.5	31.5	6.8	1	73.5	9.5	31-3,41-3	0.4748	79.29	7
FiberMax 966	4.7	1.03	82.1	32.8	4.2	1	77.5	8.7	31-1,31-3	0.5013	81.71	3
Deltapine 5415 RR	5.0	1.01	82.1	29.3	8.8	1	76.4	9.3	21-4,31-3	0.4818	77.09	9
Paymaster 145	5.4	0.91	79.2	27.8	6.6	2	72.3	8.9	41-3	0.4188	67.01	18
AFD 2485	5.2	0.96	78.7	29.1	5.6	1	76.1	9.1	31-3	0.4468	71.04	15
Beltwide Cotton Genetics 24R	4.9	1.00	82.0	29.0	8.4	1	76.5	9.2	31-3	0.4815	76.08	10
Stoneville 5303 R	5.1	1.06	81.8	32.5	7.0	2	73.1	9.5	31-3,42-1	0.4805	74.96	12
Stoneville 4793 R	5.3	0.95	81.4	27.9	8.6	2	73.0	10.0	32-2	0.4533	67.54	17
FiberMax 958	5.2	0.98	80.2	29.4	5.0	1	76.6	9.0	31-1,31-3	0.4513	66.79	20
Stoneville 2454 R	5.0	0.98	81.2	29.7	7.5	1	75.0	9.3	31-3,31-4	0.4728	68.56	16
Deltapine 458 B/RR	4.7	1.01	80.3	30.3	7.7	1	76.8	9.5	21-4	0.5005	71.57	14
FiberMax 5017	5.3	0.96	80.7	30.0	8.1	1	75.9	9.4	21-4,31-3	0.4545	64.54	22
All-Tex Atlas	4.9	1.00	80.5	30.9	7.2	2	73.7	9.1	31-4,41-3	0.4710	66.41	21
FiberMax 5024 BXN	4.8	0.95	80.3	30.1	7.4	1	74.9	9.2	31-4	0.4850	66.93	19
Stoneville 474	5.4	0.99	81.2	28.0	7.1	1	71.9	9.6	32-2,42-1	0.4308	58.16	27
Deltapine 494 RR	5.1	1.02	81.0	30.0	7.9	1	75.4	9.3	31-3	0.4645	60.38	25
Hazera HA 195	4.5	1.18	81.2	34.3	7.5	2	70.6	10.6	32-1,43-1	0.5038	62.47	23

Table 21A. 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
FiberMax 819	4.9	1.05	82.2	32.5	5.5	2	75.1	8.3	31-4,41-1	0.5030	61.37	24
Hazera HA 175	4.4	1.15	82.1	35.3	7.0	3	67.9	10.0	42-2	0.5118	58.35	26
Hazera HA 14	4.1	1.24	81.4	36.8	5.9	2	70.1	10.5	33-2,42-1	0.5033	47.81	28
Mean	5.0	1.01	81.0	30.3	7.1	1	74.3	9.3		0.4700		
C.V.%	4.2	3.3	1.1	3.4	7.7	29.2	1.6	2.6		4.9		
LSD 0.05	0.4	0.06	1.5	1.8	0.9	1	2.0	0.4		0.0395		

^{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.