

Table 21. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2004.

Designation	Yield	Agronomic Properties							
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll
Stoneville NG1553 R	477	23.9	37.6	38.0	28.5	5.3	10.8	7.0	29.0
Beltwide Cotton Genetics 520 RR	417	23.8	38.6	36.6	29.0	6.2	11.0	6.7	33.8
Stoneville NG2448 R	414	21.7	33.0	39.4	28.8	4.9	9.7	6.6	29.1
FiberMax 5044 RR	402	23.8	36.2	38.2	27.4	5.2	10.6	6.9	29.2
Hazera 195	401	20.6	33.1	38.3	25.7	3.3	9.5	6.3	20.2
FiberMax x2031 LL	393	21.1	31.4	40.8	29.5	4.7	9.7	7.0	27.4
Paymaster 2266 RR	390	22.6	35.8	37.4	28.1	5.8	10.8	6.8	31.9
AFD 3511 RR	372	22.2	39.6	34.6	30.1	6.0	11.2	6.3	33.2
AFD 2070	369	22.3	34.3	38.4	28.0	4.9	9.7	6.4	29.6
Paymaster 145	362	24.7	37.0	37.7	26.1	4.8	10.1	6.4	27.9
FiberMax 958 LL	344	21.2	29.3	41.4	30.2	4.7	9.5	7.2	27.2
AFD 3602 RR	336	21.5	34.5	39.3	26.4	4.7	10.9	7.3	25.1
PhytoGen 410 R	335	22.2	33.7	39.3	27.6	4.1	9.3	6.3	25.0
Stoneville 4686 R	327	20.5	30.6	40.5	30.1	4.7	9.3	6.7	28.3
Stoneville NG3969 R	278	18.1	28.7	38.5	28.4	4.5	8.7	5.7	30.2
AFD 2485	274	17.5	25.7	41.4	28.4	4.7	9.5	6.9	27.8
Stoneville 2454 R	259	21.8	31.0	41.5	30.1	5.2	10.1	7.5	28.8
Stoneville 3664 R	254	22.6	32.4	39.9	26.2	4.6	10.0	7.1	25.7
FiberMax 819 RR	249	19.1	26.9	41.6	28.3	3.5	7.8	5.9	24.3
Beltwide Cotton Genetics 50 R	236	15.6	27.0	38.2	26.2	4.8	10.1	6.5	28.2
FiberMax 960 RR	221	15.0	22.8	41.9	30.0	5.0	9.3	7.1	29.6
AFD 2428	219	18.3	27.8	39.2	28.6	4.8	9.3	6.4	29.0
Deltapine 434 RR	216	18.0	27.0	43.2	31.4	4.5	8.4	6.7	29.1
Beltwide Cotton Genetics 30 R	208	16.2	28.0	37.5	25.3	3.8	8.8	5.5	25.8
Deltapine 494 RR	192	15.5	26.3	39.6	27.8	4.3	8.3	5.7	29.1
FiberMax 989 RR	173	16.3	24.1	41.4	27.2	4.1	8.7	6.5	25.9
Stoneville 4793 R	172	19.2	29.2	38.7	26.7	4.1	9.1	6.1	26.0
Mean	307	20.1	31.1	39.3	28.1	4.7	9.6	6.6	28.0
C.V.%	15.9	6.0	5.7	1.9	8.2	11.2	4.4	4.8	9.6
LSD 0.05	58	2.1	3.0	1.3	3.9	0.9	0.7	0.5	4.6

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

Table 21A. Results of the dryland cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2004.

Designation	Micro-		Uni-	Elon-	Leaf	Rd	+b	Color	Loan	Gross Loan Value per Acre		
	naire	Length	formity							Strength	Grade ^{1/}	Value
Stoneville NG1553 R	3.8	1.04	82.6	27.1	7.6	2	68.5	12.6	24-2,33-3	0.4833	230.53	1
Beltwide Cotton Genetics 520 RR	4.8	0.98	81.3	27.0	6.3	2	70.8	11.5	33-1,33-3	0.4718	196.74	3
Stoneville NG2448 R	4.5	0.99	82.3	28.6	7.5	3	69.8	11.3	32-2,33-4	0.4765	197.27	2
FiberMax 5044 RR	4.0	1.01	82.4	26.9	8.7	3	69.5	10.7	32-1,43-3	0.4633	186.25	5
Hazera 195	3.4	1.17	82.9	31.2	7.4	4	66.2	11.9	33-4,43-3	0.4608	184.78	6
FiberMax x2031 LL	3.5	1.04	82.4	25.9	5.1	2	72.3	10.7	32-1,33-1	0.4810	189.03	4
Paymaster 2266 RR	4.2	0.98	81.3	27.4	7.5	4	68.8	11.1	33-2,43-1	0.4503	175.62	8
AFD 3511 RR	4.0	1.01	81.1	27.7	6.1	3	69.2	11.4	33-3,42-1	0.4700	174.84	9
AFD 2070	3.9	1.02	81.1	27.4	6.9	3	68.8	10.8	33-4,42-1	0.4793	176.86	7
Paymaster 145	4.5	0.97	80.5	26.4	5.8	3	68.2	11.0	33-4,42-2	0.4660	168.69	10
FiberMax 958 LL	4.1	1.00	81.1	26.5	5.5	3	74.1	9.4	31-3,31-4	0.4900	168.56	11
AFD 3602 RR	3.9	0.98	80.2	26.4	6.1	2	73.0	10.5	22-2,33-2	0.4750	159.60	12
PhytoGen 410 R	3.9	1.03	83.0	26.8	8.9	5	66.8	11.1	43-1,43-3	0.4518	151.35	13
Stoneville 4686 R	3.4	0.98	80.6	24.7	6.9	3	71.0	11.5	33-1	0.4460	145.84	14
Stoneville NG3969 R	3.6	0.99	81.3	25.4	7.2	2	71.8	11.6	23-2,23-4	0.4748	131.99	16
AFD 2485	3.4	1.02	81.3	26.4	5.8	3	73.7	10.0	31-4,32-1	0.4898	134.21	15
Stoneville 2454 R	3.9	0.96	81.3	24.2	6.6	2	72.1	11.7	13-4,32-1	0.4648	120.38	17
Stoneville 3664 R	3.9	0.95	79.8	24.9	6.7	3	71.4	10.5	31-4,33-3	0.4635	117.73	18
FiberMax 819 RR	3.4	1.02	82.0	25.4	6.3	3	74.1	10.9	22-1,32-1	0.4630	115.29	19
Beltwide Cotton Genetics 50 R	4.0	0.99	80.6	25.7	8.0	2	68.4	12.8	33-1,34-3	0.4673	110.28	20
FiberMax 960 RR	3.2	1.01	80.9	25.9	5.2	4	72.5	10.7	32-1	0.4515	99.78	21
AFD 2428	3.1	0.99	80.2	24.2	6.1	2	71.7	11.9	23-2	0.4390	96.14	23
Deltapine 434 RR	3.5	1.01	81.0	25.6	7.2	3	73.0	10.4	22-2,32-2	0.4615	99.68	22
Beltwide Cotton Genetics 30 R	3.5	1.00	81.4	24.5	7.1	3	72.6	10.8	23-1,32-2	0.4585	95.37	24
Deltapine 494 RR	3.4	1.02	81.5	26.5	6.6	3	69.7	11.6	33-1,33-4	0.4645	89.18	25
FiberMax 989 RR	3.5	1.00	81.6	25.9	5.7	2	69.6	12.1	33-1,34-1	0.4590	79.41	26
Stoneville 4793 R	4.0	0.97	81.2	25.2	6.7	3	69.1	11.2	33-1,43-3	0.4490	77.23	27
Mean	3.8	1.00	81.3	26.3	6.7	3	70.6	11.1		0.4660		
C.V.%	6.8	1.9	0.8	2.9	9.0	26.4	2.4	7.5		3.5		
LSD 0.05	0.4	0.03	1.1	1.3	1.0	1	2.9	1.4		0.0277		

^{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.