

Table 14. Results of the irrigated cotton variety test at the Dale Swinburn Farm, Tulia, TX, 2004.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-31-04	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 989 RR	1327	25.6	42.9	38.6	30.2	5.7	10.9	7.0	31.3	37	2.7
FiberMax 960 RR	1298	24.2	42.7	36.3	29.1	5.9	12.3	7.3	29.6	46	2.9
Paymaster 2168 RR	1296	26.4	45.5	34.9	27.6	5.0	10.4	5.8	30.1	68	3.0
FiberMax x2031 LL	1284	26.6	43.1	38.0	29.1	5.2	11.3	7.1	27.4	56	2.9
FiberMax 958 LL	1269	27.2	42.8	38.1	29.8	5.4	11.2	7.1	28.7	49	2.7
Paymaster 2167 RR	1256	24.7	44.1	34.5	27.5	5.2	10.3	5.7	31.9	59	3.0
FiberMax 958	1252	27.1	42.3	38.2	29.1	5.5	11.7	7.6	27.9	34	2.9
Stoneville 5599 BR	1215	26.7	45.5	35.5	27.4	4.8	10.9	6.2	27.8	16	2.9
Stoneville 5242 BR	1210	25.8	40.2	40.0	29.9	5.3	10.6	7.4	28.5	58	2.4
Deltapine 444 BG/RR	1188	25.8	42.2	39.0	30.1	4.6	10.2	6.7	27.4	62	2.3
Beltwide Cotton Genetics 520 RR	1184	22.7	47.7	33.3	26.6	6.0	12.5	6.4	30.9	60	2.9
Stoneville 4686 R	1162	25.1	42.1	37.6	29.3	4.8	10.2	6.5	28.0	37	2.9
AFD 2485	1160	25.6	43.0	38.1	29.3	5.2	11.3	7.2	27.5	63	2.9
Stoneville NG2448 R	1160	23.9	44.3	34.9	27.1	5.2	10.7	5.9	30.5	78	3.0
Stoneville 4892 BR	1119	26.2	41.0	39.4	30.4	4.7	10.3	6.9	26.8	47	2.9
Stoneville 3664 R	1083	25.2	43.5	36.0	27.7	5.1	11.3	6.6	27.8	44	3.2
AFD 3511 RR	1070	23.6	44.5	30.6	24.3	5.6	13.3	6.1	28.1	64	3.1
All-Tex Excess RR	1055	23.8	45.8	33.7	25.6	5.9	11.2	6.0	33.2	68	2.9
Stoneville NG1553 R	1052	22.8	45.7	33.8	25.9	4.9	10.9	5.7	28.9	84	2.9
Deltapine 432 RR	1046	23.1	41.9	35.9	27.6	4.4	8.9	5.2	30.0	51	2.5
All-Tex 201 RR	1024	21.8	44.0	33.8	24.8	5.9	11.4	6.0	32.6	71	3.0
AFD 3602 RR	1014	22.0	43.3	35.0	27.1	5.8	12.0	6.6	30.5	63	2.8
Western 180	1014	25.4	46.8	32.8	25.3	5.8	11.7	5.9	31.9	64	2.8
Stoneville 4646 B2R	1006	22.5	41.1	36.0	27.9	4.6	10.4	6.0	27.4	38	2.8
All-Tex 305 RR	983	23.0	43.2	35.4	27.5	4.5	10.3	5.8	27.4	41	2.8

Table 14. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 10-31-04	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Beltwide Cotton Genetics 50R	969	21.2	44.8	33.9	25.6	5.1	11.0	5.8	29.2	56	3.0
PhytoGen 410 R	966	22.7	40.8	33.9	26.2	4.5	11.0	5.9	25.6	44	2.6
Stoneville 4575 BR	955	25.4	42.6	37.7	29.7	5.1	10.5	6.6	29.1	38	2.9
Stoneville NG3969 R	948	22.1	43.2	33.2	25.5	4.9	9.9	5.2	30.3	43	3.0
Bronco 141	935	22.3	48.1	31.5	24.9	6.4	11.6	5.6	35.8	71	3.3
Stoneville 4793 R	928	24.7	39.8	38.7	29.4	4.7	10.5	6.9	25.9	43	2.6
Beltwide Cotton Genetics 28 R	912	21.9	41.0	35.3	27.8	4.6	9.7	5.5	29.9	43	2.6
Concho 287	888	21.3	43.1	34.0	25.5	5.3	10.8	5.7	31.8	71	2.9
All-Tex 303 RR	885	26.0	42.9	38.3	28.5	5.0	10.2	6.4	29.5	45	2.8
Deltapine 434 RR	839	22.1	38.8	37.8	29.4	5.4	10.2	6.4	31.7	42	2.9
FiberMax 819 RR	835	23.6	39.2	38.2	30.0	4.6	9.4	6.0	29.5	62	2.4
TTU Tejas 94-6-6-4	826	23.3	45.1	33.9	25.4	5.4	10.5	5.6	32.5	66	2.9
FiberMax 5035 LL	820	20.3	41.7	31.5	23.2	4.5	9.9	4.8	29.9	54	2.9
Beltwide Cotton Genetics 24 R	788	23.8	41.7	35.7	28.0	4.8	10.0	5.8	29.9	33	3.0
Stoneville x3636 B2R	784	18.6	35.3	35.3	27.5	5.2	10.9	6.2	29.8	27	2.7
TTU Hol 338-276-6-4-1	760	20.2	41.2	33.9	23.9	6.3	13.7	7.3	29.3	19	2.9
Hazera YD03-335	744	21.0	45.1	30.9	25.3	5.6	12.0	5.6	30.5	50	3.6
TTU Sphinx 4	736	21.9	39.9	34.2	25.6	6.4	12.1	6.6	33.2	65	2.8
TTU Sc 9023-11	695	22.8	43.2	32.4	24.5	6.0	12.4	6.3	31.1	60	2.9
TTU Hol 1093-43	694	23.3	41.2	34.3	26.4	5.4	11.6	6.3	29.7	65	2.9
TTU Hol 338-6	645	23.3	44.5	33.2	24.7	5.8	15.3	7.9	24.8	43	3.0
TTU Hol 1093-61	597	23.0	44.0	34.4	26.0	5.9	12.7	6.9	29.4	62	2.8
Hazera YD03-315	545	18.0	40.3	29.7	23.6	6.0	13.7	6.0	29.2	23	3.0
Mean	988	23.5	42.8	35.2	27.1	5.3	11.1	6.3	29.6	52	2.9
C.V.%	12.3	4.5	3.7	2.2	4.0	6.7	6.2	6.8	6.7	24.1	5.3
LSD 0.05	142	1.8	2.7	1.3	1.8	0.6	1.1	0.7	3.3	15	0.2

Table 14A. Results of the irrigated cotton variety test at the Dale Swinburn Farm, Tulia, TX, 2004.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
	naire	Length									\$	Rank
FiberMax 989 RR	2.8	1.12	81.9	28.2	5.3	4	66.7	11.5	43-1,44-1	0.3910	518.86	9
FiberMax 960 RR	2.6	1.15	82.4	27.9	5.4	3	69.0	11.1	33-4,42-1	0.3995	518.55	10
Paymaster 2168 RR	3.2	1.06	81.4	27.0	6.4	3	71.6	9.0	41-4,42-1	0.4655	603.29	1
FiberMax x2031 LL	3.2	1.16	82.4	29.3	5.1	3	68.9	10.8	32-2,43-3	0.4678	600.66	2
FiberMax 958 LL	3.2	1.15	83.2	28.7	5.6	3	69.2	10.5	42-1,43-1	0.4465	566.61	5
Paymaster 2167 RR	3.4	1.04	81.8	25.3	6.5	3	70.5	9.8	41-3,43-1	0.4645	583.41	3
FiberMax 958	3.0	1.13	82.1	28.7	5.3	2	70.4	11.0	33-2	0.4388	549.38	7
Stoneville 5599 BR	2.9	1.09	81.3	27.1	5.1	2	64.9	13.4	34-1,34-4	0.4260	517.59	11
Stoneville 5242 BR	3.0	1.04	82.2	25.5	7.5	2	67.5	12.6	33-2,34-1	0.4258	515.22	12
Deltapine 444 BG/RR	2.7	1.11	82.0	26.2	6.1	4	70.7	10.0	42-1	0.4163	494.56	15
Beltwide Cotton Genetics 520 RR	3.6	1.11	83.3	27.1	6.6	3	69.8	10.4	33-2,42-1	0.4788	566.90	4
Stoneville 4686 R	2.7	1.10	80.8	26.1	6.1	2	67.0	13.4	34-1	0.3965	460.73	20
AFD 2485	3.0	1.14	81.4	29.1	5.3	3	70.3	10.0	33-2,41-3	0.4618	535.69	8
Stoneville NG2448 R	3.0	1.10	82.5	27.6	6.6	3	71.8	9.5	32-2,41-3	0.4783	554.83	6
Stoneville 4892 BR	3.1	1.04	81.4	25.9	6.5	2	66.3	13.3	34-1,34-2	0.4390	491.24	16
Stoneville 3664 R	3.3	1.02	82.0	25.9	6.2	3	69.1	11.7	33-1,33-4	0.4700	509.01	13
AFD 3511 RR	3.3	1.11	83.1	27.9	6.9	3	68.8	9.8	42-1,42-2	0.4748	508.04	14
All-Tex Excess RR	3.0	1.07	82.3	28.1	6.3	5	69.9	10.3	42-1,43-1	0.4160	438.88	22
Stoneville NG1553 R	2.6	1.13	82.1	26.4	6.3	3	74.7	8.0	41-1	0.4565	480.24	17
Deltapine 432 RR	2.8	1.09	82.3	25.6	8.5	3	67.0	12.0	34-2,43-1	0.3985	416.83	25
All-Tex 201 RR	2.9	1.06	82.2	27.3	5.4	3	73.9	8.1	41-1,41-3	0.4555	466.43	18
AFD 3602 RR	3.0	1.09	80.8	28.1	5.6	3	71.1	11.2	33-1	0.4375	443.62	21
Western 180	3.1	1.11	80.8	27.6	5.5	3	68.7	10.4	33-2,42-2	0.4575	463.90	19
Stoneville 4646 B2R	2.8	1.04	80.3	26.1	6.0	3	66.3	13.1	34-1,34-2	0.4068	409.24	27
All-Tex 305 RR	2.7	1.06	81.4	25.1	6.5	3	68.8	11.6	33-4	0.4170	409.91	26

Table 14A. Cont.

Designation	Micro-		Uni-	Strength	Elon-	Leaf	Rd	+b	Color	Loan	Gross Loan Value per Acre	
	naire	Length									formity	gation
Beltwide Cotton Genetics 50R	3.0	1.08	81.2	27.4	7.1	4	70.5	10.6	33-2,42-1	0.4370	423.45	24
PhytoGen 410 R	3.3	1.12	82.8	25.9	7.3	4	60.3	13.7	44-3,44-4	0.4200	405.72	29
Stoneville 4575 BR	3.0	1.08	81.8	26.4	8.2	3	65.2	13.0	34-2	0.4260	406.83	28
Stoneville NG3969 R	2.6	1.10	80.3	27.1	6.3	4	68.8	11.3	33-4,43-1	0.3903	370.00	34
Bronco 141	2.6	1.09	80.5	26.7	5.1	3	70.7	10.3	32-2,43-1	0.3908	365.40	35
Stoneville 4793 R	3.4	1.05	81.5	26.6	6.6	3	67.7	12.2	33-2,34-2	0.4638	430.41	23
Beltwide Cotton Genetics 28 R	3.0	1.13	80.4	27.0	5.8	3	67.4	12.3	33-2,34-1	0.4318	393.80	32
Concho 287	3.0	1.08	81.8	26.4	7.1	3	70.0	9.8	42-1	0.4445	394.72	31
All-Tex 303 RR	3.0	1.07	81.5	26.5	6.4	3	71.0	10.5	33-2	0.4553	402.94	30
Deltapine 434 RR	2.8	1.11	80.2	24.5	6.6	2	66.4	12.7	33-4,34-2	0.4030	338.12	38
FiberMax 819 RR	2.7	1.09	81.1	26.2	5.5	3	70.0	9.7	41-4,43-1	0.4178	348.86	36
TTU Tejas 94-6-6-4	3.0	1.14	81.2	28.9	6.1	3	71.2	9.7	42-1	0.4495	371.29	33
FiberMax 5035 LL	2.8	1.07	82.9	26.6	7.7	5	67.1	10.9	42-1,43-3	0.3935	322.67	41
Beltwide Cotton Genetics 24 R	2.9	1.08	82.1	26.8	7.9	2	69.0	12.2	23-4,33-4	0.4425	348.69	37
Stoneville x3636 B2R	2.7	1.07	79.4	25.7	4.7	3	63.4	14.8	34-3,35-1	0.3770	295.57	46
TTU Hol 338-276-6-4-1	2.8	1.21	83.0	31.9	5.3	3	63.1	13.7	34-4,44-3	0.4063	308.79	43
Hazera YD03-335	2.9	1.05	82.1	25.3	6.6	3	68.7	11.6	33-2,33-4	0.4135	307.64	44
TTU Sphinx 4	3.3	1.08	82.4	27.6	6.5	3	65.5	12.4	34-2,44-1	0.4400	323.84	40
TTU Sc 9023-11	3.7	1.08	82.6	28.0	6.0	3	68.2	10.8	42-1,43-3	0.4813	334.50	39
TTU Hol 1093-43	3.4	1.09	82.4	30.1	5.5	2	68.3	11.8	34-1,43-1	0.4548	315.63	42
TTU Hol 338-6	3.6	1.08	82.1	27.5	6.5	3	65.8	11.8	43-1,44-1	0.4590	296.06	45
TTU Hol 1093-61	3.1	1.08	81.6	26.9	5.0	2	71.1	10.1	32-2,42-1	0.4730	282.38	47
Hazera YD03-315	2.9	1.14	82.8	27.5	5.8	3	64.9	12.4	34-4,43-4	0.4015	218.82	48
Mean	3.0	1.09	81.8	27.1	6.2	3	68.5	11.2		0.4350		
C.V.%	6.0	1.2	0.9	2.3	6.0	21.7	2.4	8.3		5.0		
LSD 0.05	0.3	0.02	1.2	1.0	0.6	1	2.7	1.6		0.0366		

^{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.