

Table 14. Results of the irrigated cotton variety test at the Dale Swinburn Farm, Tulia, TX, 2005.

Designation	Yield	Agronomic Properties								
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Storm Resistance
		Lint	Seed	Picked	Pulled					
FiberMax 989 BR	1060	24.2	41.1	36.6	25.1	4.2	8.8	5.5	28.0	2.9
FiberMax 958 LL	1028	25.1	43.0	36.1	26.0	4.9	9.1	5.6	31.4	2.9
FiberMax 960 BR	983	24.3	41.4	35.9	27.9	5.6	10.1	6.0	33.4	2.8
Stoneville 4575 BR	964	25.2	39.1	37.2	27.3	4.5	8.3	5.3	31.3	2.8
FiberMax 5045 BR	920	22.3	38.7	35.5	25.5	5.2	9.3	5.4	33.8	3.1
FiberMax 960 B2R	920	24.4	41.6	36.4	25.9	4.5	10.0	6.0	27.0	2.9
PhytoGen 370 WR	913	26.9	39.8	38.8	27.9	2.9	8.5	5.8	19.8	2.7
Stoneville 5242 BR	899	28.0	41.6	37.9	27.2	5.3	10.0	6.4	31.4	2.6
FiberMax 960 RR	891	24.7	43.4	36.6	27.5	5.5	10.8	6.7	30.2	2.9
PhytoGen 480 WR	889	24.4	41.0	34.9	21.7	4.2	8.6	4.9	30.1	2.5
Stoneville NG1553 R	876	22.4	40.3	33.7	23.8	4.5	10.2	5.5	27.4	3.0
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	860	23.6	42.0	34.8	26.9	6.8	12.0	6.7	34.9	2.9
Deltapine 444 BG/RR	857	23.2	36.8	38.1	25.2	2.9	8.7	5.7	19.6	2.5
PhytoGen 470 WR	857	23.7	40.9	34.5	25.6	3.5	8.7	4.9	24.4	2.8
Deltapine 445 BG/RR	839	22.3	35.9	37.0	27.6	4.7	9.3	5.9	29.3	2.8
Stoneville NG2448 R	824	23.5	42.2	36.1	24.0	5.9	10.1	6.1	35.1	3.0
PhytoGen 410 R	809	23.4	40.1	35.8	24.2	3.1	8.8	5.0	21.6	2.6
Stoneville X0416 B2R	809	25.2	44.8	34.3	25.6	3.9	8.0	4.5	29.8	2.8
Stoneville 4686 R	793	24.3	38.3	37.1	25.1	3.7	8.2	4.9	26.7	2.7
FiberMax 958	775	22.0	38.2	37.4	26.9	4.9	9.6	6.0	30.2	3.0
All-Tex Excess RR	772	22.0	45.9	32.7	23.8	6.8	10.6	5.5	41.0	3.1
H&W 520 RR	699	23.1	46.0	33.3	24.1	4.3	10.4	5.5	26.5	3.0
FiberMax 5035 LL	685	18.1	39.7	32.8	22.4	4.4	8.9	4.6	31.6	2.9
Deltapine 432 RR	659	19.7	39.4	35.6	26.4	4.3	8.5	4.9	30.8	2.8
Stoneville NG3969 R	651	21.7	41.6	34.0	22.8	3.8	8.0	4.4	29.1	3.1

Table 14. Cont

Designation	Yield	Agronomic Properties								% Open Bolls 10-18-05
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	
All-Tex Xpress RR	648	18.3	42.1	32.0	20.9	5.2	9.8	4.8	34.4	3.0
FiberMax 989 RR	648	23.2	39.2	36.5	24.5	4.1	8.9	5.3	28.1	2.9
Deltapine 434 RR	619	21.8	37.5	37.9	26.6	4.5	8.5	5.6	30.2	2.9
Stoneville 5303 R	605	22.6	36.0	37.6	26.3	4.1	8.8	5.6	27.2	2.9
AFD 3602 RR	583	21.8	39.3	33.8	25.7	4.9	10.3	5.4	30.5	3.0
PhytoGen 310 R	576	20.7	32.3	39.7	30.3	3.7	8.0	5.9	25.9	2.7
H&W 524	513	17.3	36.2	34.2	23.3	4.9	10.9	6.0	28.1	3.0
Mean	794	22.9	40.1	35.8	25.4	4.6	9.3	5.6	29.4	2.9
C.V.%	17.8	6.4	6.1	2.6	6.0	12.2	7.3	7.4	11.5	3.0
LSD 0.05	167	2.5	4.1	1.6	2.6	0.9	1.1	0.7	5.7	0.1

Table 14A. Results of the irrigated cotton variety test at the Dale Swinburn Farm, Tullia, TX, 2005.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^L	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 989 BR	2.9	1.10	79.7	26.9	5.5	1	80.1	7.9	21-2,31-1	0.5105	541.13	1
FiberMax 958 LL	2.9	1.13	80.4	28.4	5.5	2	80.5	7.7	21-2,31-1	0.5070	521.20	2
FiberMax 960 BR	2.8	1.10	82.0	28.2	5.4	1	80.7	7.7	21-2,31-1	0.4920	483.64	3
Stoneville 4575 BR	2.9	1.07	80.4	25.7	8.1	2	79.8	8.7	21-1,21-2	0.4755	458.38	7
FiberMax 5045 BR	2.9	1.04	80.9	26.0	7.8	1	81.3	8.7	11-2,21-1	0.4768	438.66	10
FiberMax 960 B2R	3.0	1.10	80.9	27.2	5.8	1	80.7	7.4	21-2,31-1	0.5158	474.54	4
PhytoGen 370 WR	3.0	1.03	79.4	25.3	7.4	1	80.3	9.1	11-2,21-1	0.4595	419.52	15
Stoneville 5242 BR	3.0	1.04	81.3	24.7	7.9	1	81.7	8.7	11-1,21-1	0.4758	427.74	12
FiberMax 960 RR	2.7	1.12	80.4	27.1	5.2	1	80.7	7.9	21-2	0.5110	455.30	8
PhytoGen 480 WR	3.2	1.09	81.6	27.7	7.8	3	79.6	7.7	31-1	0.5235	465.39	5
Stoneville NG1553 R	2.9	1.12	80.9	26.4	7.1	1	81.8	7.9	21-1	0.5110	447.64	9
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	3.3	1.08	81.2	25.4	5.8	2	80.2	7.6	21-2,31-2	0.5335	458.81	6
Deltapine 444 BG/RR	2.9	1.10	80.9	25.4	6.4	1	80.0	8.5	21-1,21-2	0.4950	424.22	14
PhytoGen 470 WR	3.0	1.07	80.6	26.4	8.5	2	81.1	8.1	11-2,21-2	0.4955	424.64	13
Deltapine 445 BG/RR	2.9	1.10	80.4	25.6	7.8	1	80.1	8.7	21-1	0.4955	415.72	17
Stoneville NG2448 R	3.1	1.11	81.6	27.1	7.0	2	78.3	7.8	21-1,41-1	0.5078	418.43	16
PhytoGen 410 R	3.1	1.10	81.3	26.0	7.7	2	80.0	8.1	21-2	0.5350	432.82	11
Stoneville X0416 B2R	3.2	1.08	80.9	25.1	5.5	2	77.9	8.6	31-1	0.5113	413.64	18
Stoneville 4686 R	3.0	1.09	80.3	24.4	9.1	2	81.6	8.4	11-2,21-1	0.5035	399.28	20
FiberMax 958	2.9	1.13	81.7	27.7	5.7	2	80.1	7.9	21-2,31-1	0.5070	392.92	21
All-Tex Excess RR	3.1	1.10	82.2	28.1	7.4	2	78.2	7.7	31-1,31-2	0.5240	404.53	19
H&W 520 RR	3.4	1.10	82.4	27.3	6.9	2	81.2	7.6	21-2,31-1	0.5513	385.36	22
FiberMax 5035 LL	2.7	1.08	81.9	25.7	9.4	3	77.7	7.8	31-1,31-2	0.4660	319.21	23
Deltapine 432 RR	2.7	1.08	81.6	24.7	8.8	3	77.9	8.4	21-2,31-2	0.4735	312.04	26
Stoneville NG3969 R	2.7	1.10	81.0	26.2	6.5	1	80.6	7.8	21-1,31-1	0.4850	315.74	25

Table 14A. Cont.

Designation	Micro-	Uni-	Elon-	Leaf	Color	Loan	Gross Loan Value per Acre					
	naire	Length	formity	Strength			gation	Index	Rd	+b	Grade ^{1/}	Value
All-Tex Xpress RR	3.0	1.06	81.9	27.5	6.8	1	79.8	7.9	21-2,31-1	0.4923	319.01	24
FiberMax 989 RR	2.7	1.07	79.8	25.4	5.9	1	80.0	8.3	21-2	0.4725	306.18	27
Deltapine 434 RR	2.9	1.10	79.8	23.5	7.5	1	80.5	8.1	21-1,31-1	0.4863	301.02	28
Stoneville 5303 R	2.9	1.06	81.8	27.6	6.0	1	80.2	8.3	21-1,31-1	0.4923	297.84	29
AFD 3602 RR	2.9	1.09	80.7	27.2	5.9	1	79.2	8.3	21-2,31-1	0.5073	295.76	30
PhytoGen 310 R	3.0	1.06	79.9	25.7	7.1	1	80.7	8.8	11-2,21-1	0.4900	282.24	31
H&W 524	2.8	1.10	81.4	27.4	6.4	2	80.1	7.4	21-2,31-1	0.4980	255.47	32
Mean	2.9	1.09	80.9	26.3	6.9	1	80.1	8.1		0.4990		
C.V.%	5.2	1.6	1.0	3.5	5.2	29.9	1.5	3.1		4.7		
LSD 0.05	0.3	0.03	1.4	1.6	0.6	1	2.0	0.4		0.0397		

^{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.