

Table 5. Results of the irrigated cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 11-04-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 960 BR	1477	26.4	44.3	38.0	29.3	5.6	11.5	7.4	29.0	41	2.8
Deltapine 444 BG/RR	1435	26.2	39.6	39.2	27.9	4.4	8.7	6.0	29.1	62	2.3
FiberMax 5045 BR	1429	26.1	44.0	36.2	26.5	5.4	10.3	6.1	31.9	76	3.2
FiberMax 958 LL	1385	26.9	42.1	38.0	29.7	5.2	10.6	6.8	29.0	41	2.9
PhytoGen 440 W	1359	23.6	41.1	36.5	27.0	4.6	9.6	5.9	28.4	49	2.7
Paymaster 2266 R	1352	25.1	46.1	33.9	25.7	6.5	12.6	6.9	31.7	66	3.2
Stoneville 5303 R	1350	26.3	40.7	39.5	30.0	5.3	11.7	8.2	25.7	61	2.3
Stoneville NG2448 R	1341	25.3	43.1	37.1	28.9	6.1	11.3	6.9	32.6	58	3.2
H&W 520 RR	1330	25.0	48.4	33.2	25.5	6.5	12.4	6.6	33.1	67	2.9
Stoneville 5242 BR	1327	24.5	38.1	39.1	29.6	6.0	10.9	8.0	29.3	68	2.4
Stoneville 4892 BR	1323	24.3	40.9	36.9	28.1	4.9	10.8	6.7	26.8	39	2.8
FiberMax 960 B2R	1316	23.1	40.2	37.9	28.4	5.4	11.0	7.1	29.0	43	2.7
FiberMax 989 BR	1222	23.6	41.9	37.2	28.7	5.2	11.3	7.1	27.4	40	2.8
All-Tex Excess	1216	22.7	42.9	35.9	26.8	5.8	11.7	7.0	29.8	78	3.3
Americot 262 R	1213	24.3	41.7	37.5	28.9	5.0	10.2	6.4	29.4	56	2.6
Deltapine 432 RR	1203	23.7	43.3	36.2	26.3	4.8	9.8	5.9	29.3	50	2.7
Stoneville 4575 BR	1198	23.5	38.5	38.0	28.9	4.9	9.8	6.5	28.4	52	2.6
PhytoGen 470 WR	1189	25.1	45.7	35.1	26.6	4.5	10.4	6.0	26.5	51	2.8
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	1185	25.2	44.7	35.8	27.9	6.0	12.9	7.6	28.5	76	3.1
PhytoGen 370 WR	1178	23.6	38.2	38.4	28.8	4.9	10.1	6.7	28.0	38	2.5
Stoneville 4686 BR	1150	24.9	41.2	38.5	30.0	5.5	10.9	7.2	29.3	33	2.7
PhytoGen 310 R	1149	24.1	37.0	39.4	29.9	4.8	10.3	7.1	26.8	46	2.3
Stoneville X0416 B2R	1148	22.2	41.9	35.5	26.6	4.7	10.1	5.9	28.4	53	2.6
Americot 427 R	1141	23.8	44.1	36.3	27.7	4.6	10.3	6.1	27.5	55	2.7
PhytoGen 410 R	1131	24.1	44.0	36.2	26.4	4.7	10.5	6.4	26.6	51	2.3

Table 5. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-18-05	Resistance
Deltapine 445 BG/RR	1124	23.4	35.2	39.4	29.7	4.8	9.7	6.7	28.4	29	2.5
Stoneville NG 3969 R	1122	21.9	42.7	33.0	23.8	4.3	9.7	5.3	27.3	61	3.3
Stoneville NG1553 R	1119	24.1	42.9	36.0	27.9	5.6	11.5	6.8	29.6	87	3.0
Hazera 195-05	1110	22.2	41.3	35.3	27.5	4.7	12.9	8.0	20.6	32	2.5
FiberMax 989 RR	1092	23.4	38.3	37.3	28.4	5.2	10.2	6.4	30.4	29	2.7
FiberMax 960 RR	1090	22.9	39.8	37.6	30.1	5.8	11.8	7.5	29.3	35	2.9
PhytoGen 480 WR	1063	21.3	41.6	34.3	25.9	4.0	9.3	5.2	25.8	50	2.4
Hazera 14-05	1050	20.0	39.5	32.4	25.7	4.9	13.1	7.0	22.9	47	2.5
AFD 3511 RR	1040	22.0	46.5	32.4	25.6	5.7	11.8	5.9	31.6	68	3.3
All-Tex Excess RR	1039	22.6	44.3	34.2	26.2	6.6	11.6	6.4	35.2	49	3.2
Americot 821 R	981	21.3	39.7	35.9	26.9	4.9	10.2	6.0	29.5	63	2.8
Deltapine 434 RR	979	23.9	40.4	36.3	28.1	5.3	10.0	6.0	32.1	38	2.8
AFD 3602 RR	953	20.3	38.7	36.0	27.9	5.8	11.2	6.6	31.8	46	3.0
Stoneville 5599 BR	940	21.0	38.7	35.4	27.2	5.4	10.1	5.9	32.8	39	2.7
Mean	1191	23.7	41.6	36.4	27.7	5.2	10.8	6.6	28.9	52	2.7
C.V.%	10.4	8.4	7.2	2.5	4.9	5.6	4.2	4.9	5.6	28.5	7.4
LSD 0.05	145	3.3	5.0	1.6	2.3	0.5	0.8	0.6	2.7	17	0.2

Table 5A. Results of the irrigated cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Micro-		Uni-	Elon-	Leaf	Color		Loan	Gross Loan Value per Acre		
	naire	Length	formity	Strength	gation	Index	Rd +b	Grade ^{1/}	Value	\$	Rank
FiberMax 960 BR	2.9	1.12	81.5	28.5	5.5	1	79.3 8.4	21-2	0.5255	776.16	3
Deltapine 444 BG/RR	3.1	1.12	81.9	25.7	7.2	2	79.6 8.9	21-1,21-2	0.5295	759.83	6
FiberMax 5045 BR	3.1	1.07	82.4	27.4	7.5	1	79.4 9.3	21-1,21-3	0.5213	744.94	7
FiberMax 958 LL	3.5	1.16	82.0	27.9	6.6	2	77.8 8.8	21-4,31-1	0.5635	780.45	2
PhytoGen 440 W	2.9	1.11	81.2	25.9	9.5	2	77.9 9.2	21-2,21-3	0.5128	696.90	8
Paymaster 2266 R	3.8	1.12	83.1	27.4	8.2	2	79.2 7.8	21-2,31-2	0.5775	780.78	1
Stoneville 5303 R	3.1	1.06	82.2	24.9	8.8	1	79.5 9.8	11-1,11-4	0.4943	667.30	10
Stoneville NG2448 R	3.5	1.12	83.6	28.8	7.5	2	80.4 8.0	21-1,31-1	0.5680	761.69	4
H&W 520 RR	3.7	1.11	83.2	27.8	6.9	2	78.9 8.1	21-2,31-1	0.5718	760.49	5
Stoneville 5242 BR	3.1	1.06	82.2	24.9	8.4	1	79.0 9.5	11-2,21-3	0.5003	663.90	11
Stoneville 4892 BR	3.1	1.08	81.4	26.0	7.3	2	79.8 9.5	11-3,21-1	0.5188	686.37	9
FiberMax 960 B2R	2.6	1.14	80.4	27.5	5.2	1	77.9 9.7	21-3	0.4850	638.26	13
FiberMax 989 BR	2.8	1.11	79.8	26.5	5.9	1	80.8 8.1	21-1,21-2	0.4910	600.00	21
All-Tex Excess	3.4	1.07	81.7	26.4	6.9	2	78.4 8.4	31-1	0.5218	634.51	15
Americot 262 R	3.1	1.09	82.1	25.3	7.8	1	79.0 9.3	11-2,21-3	0.5143	623.85	16
Deltapine 432 RR	3.2	1.11	83.0	25.4	9.8	2	77.2 9.9	11-4,31-3	0.5353	643.97	12
Stoneville 4575 BR	2.8	1.09	79.5	24.6	9.8	2	79.2 10.1	11-3,11-4	0.4935	591.21	22
PhytoGen 470 WR	2.8	1.09	80.2	26.0	9.2	2	79.2 8.5	21-2	0.4950	588.56	23
AFD 5062 LL (Tested as FiberMax BCSX 8836 LL)	3.4	1.10	82.4	26.2	6.6	4	76.3 7.6	31-2,41-1	0.5233	620.11	17
PhytoGen 370 WR	2.9	1.06	82.1	25.6	8.5	2	78.3 9.8	11-4,21-3	0.4678	551.07	29
Stoneville 4686 BR	3.1	1.12	81.8	26.0	10.0	1	77.9 10.0	11-4,21-3	0.5350	615.25	18
PhytoGen 310 R	3.4	1.10	81.5	26.3	7.6	2	79.6 9.5	11-2,12-2	0.5275	606.10	19
Stoneville X0416 B2R	2.7	1.09	80.0	26.4	6.0	2	79.6 9.3	11-4,21-1	0.4825	553.91	28
Americot 427 R	2.9	1.07	81.0	25.3	7.9	2	79.2 8.9	21-1	0.4900	559.09	25
PhytoGen 410 R	3.2	1.12	81.0	25.6	8.9	2	78.1 9.2	21-1,21-4	0.5318	601.47	20

Table 5A. Results of the irrigated verticillium wilt test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Micro-		Uni-		Elon-		Leaf		Color		Loan Value	Gross Loan Value per Acre	
	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade ^{1/}			\$	Rank
Deltapine 445 BG/RR	2.7	1.09	80.4	26.3	8.2	1	73.2	11.4	23-1,33-1	0.4158	467.36	36	
Stoneville NG 3969 R	2.7	1.13	82.1	26.5	7.3	1	80.3	9.2	11-2,11-4	0.5123	574.80	24	
Stoneville NG1553 R	3.5	1.13	82.8	27.3	8.1	1	82.7	7.6	11-2,21-1	0.5690	636.71	14	
Hazera 195-05	3.1	1.25	82.7	31.6	7.9	5	68.5	11.3	33-4,43-1	0.4195	465.64	38	
FiberMax 989 RR	2.9	1.14	81.9	28.1	5.9	1	79.2	8.4	21-2,31-1	0.5083	555.06	27	
FiberMax 960 RR	2.7	1.15	81.1	28.3	5.7	1	79.3	8.6	21-1,21-2	0.4988	543.69	31	
PhytoGen 480 WR	2.7	1.12	81.3	25.7	9.2	2	77.0	10.3	12-2,21-3	0.4730	502.80	32	
Hazera 14-05	3.3	1.29	83.0	31.5	8.6	4	65.9	10.4	43-1,53-1	0.4440	466.20	37	
AFD 3511 RR	3.4	1.09	82.7	26.9	7.3	2	79.2	8.6	21-1,31-1	0.5353	556.71	26	
All-Tex Excess RR	3.2	1.09	82.0	27.2	8.2	2	79.0	9.0	21-1,21-3	0.5240	544.44	30	
Americot 821 R	3.0	1.09	81.1	25.0	8.4	2	78.6	9.9	11-2,22-1	0.4968	487.36	34	
Deltapine 434 RR	3.0	1.12	79.9	24.1	8.5	2	78.8	8.9	21-2,21-3	0.5135	502.72	33	
AFD 3602 RR	2.8	1.11	80.5	26.9	6.7	1	81.0	8.9	11-2	0.5110	486.98	35	
Stoneville 5599 BR	2.6	1.10	78.6	25.7	5.9	2	75.7	10.9	22-1	0.4560	428.64	39	
Mean	3.0	1.11	81.5	26.6	7.7	2	78.2	9.2		0.5090			
C.V.%	6.3	1.5	1.0	2.8	5.1	35.3	2.2	6.5		4.4			
LSD 0.05	0.3	0.03	1.4	1.2	0.7	1	2.8	1.0		0.0381			

^{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.