

Table 38. Results of the irrigated bacterial blight cotton variety test at the City Farm, Lubbock, TX, 2004.

Designation	Yield	Agronomic Properties								% Open Bolls	Storm Resistance	Bacterial Blight Rating <sup>1/</sup>
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll			
		Lint	Seed	Picked	Pulled							
FiberMax 960 BR	1415	30.0	42.3	40.5	32.2	5.9	10.1	7.2	33.5	57	2.7	0.01
Stoneville NG2448 R	1391	28.5	44.9	38.0	28.7	6.0	10.7	6.8	33.8	73	3.6	0.04
FiberMax E0222LL-5	1374	29.7	42.0	41.3	30.4	5.9	10.8	8.0	30.4	67	2.5	0.00
Stoneville 4686 R	1373	29.1	40.9	39.6	29.6	5.6	10.0	6.9	32.3	36	2.4	0.95
Stoneville 3664 R	1336	29.6	42.6	39.8	31.3	5.7	10.4	7.2	31.4	65	3.7	0.43
FiberMax 989 BR	1296	28.4	42.2	40.0	31.7	6.0	10.7	7.5	32.0	45	2.8	0.00
FiberMax 960 B2R	1290	27.9	40.8	39.4	30.5	6.1	11.1	7.5	31.9	52	2.4	0.01
Beltwide Cotton Genetics 50 R	1284	26.6	45.8	37.1	28.8	6.0	11.1	6.8	32.5	71	2.7	0.05
FiberMax 958 LL	1274	28.7	40.6	40.3	30.5	5.7	10.8	7.6	30.0	66	2.7	0.03
FiberMax 958	1262	28.6	41.0	41.1	31.7	5.6	11.1	8.1	28.1	68	2.9	0.00
FiberMax 966 LL	1255	27.4	39.6	39.2	30.3	6.6	12.0	8.2	31.9	66	2.8	0.26
FiberMax 989 B2R	1252	28.0	43.4	39.0	30.3	5.9	10.4	6.9	33.1	66	2.8	0.00
H&W Genetex 522	1237	27.8	44.1	39.8	31.0	6.0	10.1	7.0	34.1	77	2.2	0.45
FiberMax 989	1232	27.5	41.1	39.3	29.4	5.8	10.4	7.1	31.8	65	2.5	0.00
Stoneville 4575 BR	1225	28.6	39.3	41.6	31.0	5.2	9.6	7.2	30.2	67	2.3	1.00
Beltwide Cotton Genetics 520 RR	1206	26.9	45.2	37.7	29.6	6.5	11.5	7.2	33.8	47	3.0	0.76
FiberMax 966	1204	28.6	40.8	41.7	32.1	5.9	11.2	8.2	30.0	68	2.6	0.00
FiberMax 2031 LL	1180	28.4	40.5	40.1	31.7	6.2	10.7	7.6	32.8	80	2.9	0.06
Paymaster 2326 RR (sus)	1179	27.5	45.7	36.9	28.5	5.9	11.0	6.7	32.4	73	3.4	0.98
PhytoGen 410 R	1170	26.9	41.1	38.7	29.8	4.8	10.1	6.7	27.9	57	2.1	0.96
H&W Genetex 521	1164	25.3	43.2	37.6	29.4	5.6	11.3	7.1	29.8	67	2.2	0.30
FiberMax 989 RR	1161	25.8	37.3	40.8	32.0	5.9	9.9	7.2	33.5	47	2.5	0.00
FiberMax 991 RR	1157	26.8	43.5	38.1	31.1	5.8	9.9	6.4	34.7	44	2.5	0.00
FiberMax 981 LL	1147	26.9	40.4	40.0	30.0	5.7	10.3	7.2	31.4	72	2.4	0.45
Beltwide Cotton Genetics 30 R	1142	26.3	47.2	36.8	29.1	5.2	9.5	5.8	33.2	67	2.9	0.73

Table 38. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 10-22-04	Storm Resistance	Bacterial Blight Rating <sup>1/</sup>
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll			
		Lint	Seed	Picked	Pulled							
Stoneville x3636 B2R	1142	27.6	42.3	39.3	30.5	5.8	10.7	7.3	31.3	56	2.5	1.00
FiberMax 800 B2R	1139	28.8	42.1	40.1	31.1	6.5	10.4	7.2	36.0	54	2.7	0.00
FiberMax 960 RR	1139	28.5	39.9	40.9	31.9	6.3	11.0	8.0	32.1	59	2.9	0.03
FiberMax 800 BR	1126	27.4	39.4	40.4	31.6	6.6	11.3	8.0	33.8	35	3.1	0.00
Stoneville x5454 B2R	1124	25.7	44.0	36.8	29.5	6.2	10.5	6.4	35.7	47	2.6	0.98
Stoneville 6636 BR	1109	27.9	44.6	38.5	29.3	5.3	10.1	6.6	31.0	57	2.0	1.00
Beltwide Cotton Genetics 28 R	1101	28.4	42.4	40.0	31.1	5.3	9.0	6.2	33.9	58	2.6	0.95
FiberMax 991 B2R	1099	28.4	45.5	37.5	30.6	5.6	10.8	6.7	31.0	62	2.4	0.00
FiberMax 991 BR	1095	26.6	41.8	38.1	30.8	4.9	9.4	6.0	30.7	44	2.3	0.01
FiberMax 800 RR	1061	27.4	37.9	41.1	30.8	5.8	9.9	7.3	32.6	52	2.4	0.00
FiberMax 832 LL	1059	28.6	40.7	40.2	30.8	6.2	10.3	7.3	34.2	63	2.1	0.04
FiberMax 819	1037	29.1	41.3	41.6	31.5	4.5	9.1	6.8	27.3	61	1.9	0.00
Beltwide Cotton Genetics 24 R	1012	24.9	38.5	40.5	31.9	5.3	9.3	6.5	32.9	56	2.9	0.90
FiberMax 819 RR	1005	27.3	39.8	40.8	30.6	4.5	9.2	6.7	27.4	53	2.0	0.01
Tamcot Sphinx (res)	990	27.4	43.3	38.8	30.1	5.7	10.4	6.9	32.0	81	2.7	0.00
FiberMax 832	977	26.4	39.8	40.4	31.3	6.5	10.1	7.2	36.6	44	2.6	0.00
Stoneville 6848 R	954	26.4	42.3	38.9	29.4	5.3	11.6	6.8	30.7	58	1.5	1.00
Mean	1176	27.7	41.9	39.5	30.5	5.7	10.4	7.1	32.0	60	2.6	
C.V.%	10.9	3.2	2.9	1.7	3.3	6.3	5.3	4.0	6.2	21.7	11.3	
LSD 0.05	150	1.5	2.0	1.1	1.7	0.6	0.9	0.5	3.4	15	0.3	

<sup>1/</sup> The scale ranged from 0 - 1 with 0 being no visual symptoms on any of the plants and 1 being 100% of the plants with bacterial blight symptoms.

Table 38A. Results of the irrigated bacterial blight cotton variety test at the City Farm, Lubbock, TX, 2004.

Designation	Micro-		Uni-	Strength	Elon-	Leaf		Color	Loan	Gross Loan Value per Acre		
	naire	Length				formity	gation			Index	Rd	+b
FiberMax 960 BR	4.3	1.03	82.6	29.5	5.0	3	72.8	8.2	41-2,41-3	0.5070	717.40	3
Stoneville NG2448 R	4.2	1.05	82.6	28.4	7.0	2	74.4	8.3	41-3	0.5243	729.30	2
FiberMax E0222LL-5	4.1	1.13	83.8	30.0	4.2	3	74.4	8.4	31-4,41-3	0.5558	763.67	1
Stoneville 4686 R	4.3	1.05	80.5	26.5	5.9	2	73.0	8.6	41-3	0.5125	703.66	4
Stoneville 3664 R	4.5	1.00	82.3	26.8	6.4	3	71.2	9.2	41-4,42-1	0.4810	642.62	13
FiberMax 989 BR	4.0	1.06	81.0	27.7	5.2	2	75.0	8.7	31-2,31-4	0.5318	689.21	7
FiberMax 960 B2R	4.3	1.10	81.0	28.5	3.7	2	73.7	9.4	31-4,32-2	0.5400	696.60	5
Beltwide Cotton Genetics 50 R	4.6	1.08	81.6	27.8	6.9	3	73.2	8.6	41-3	0.5293	679.62	9
FiberMax 958 LL	4.5	1.10	82.7	29.5	4.5	3	72.8	8.1	41-2,41-3	0.5393	687.07	8
FiberMax 958	4.4	1.12	81.9	29.5	3.9	3	73.0	8.0	41-1,41-2	0.5383	679.33	10
FiberMax 966 LL	4.3	1.08	83.0	31.4	4.3	2	72.8	8.2	31-4,41-2	0.5513	691.88	6
FiberMax 989 B2R	4.0	1.05	81.2	29.5	4.9	3	72.4	8.9	41-3,42-1	0.5035	630.38	17
H&W Genetex 522	4.2	1.08	82.7	28.5	5.8	3	73.8	7.7	41-1,41-2	0.5383	665.88	12
FiberMax 989	3.9	1.11	82.2	29.8	4.9	3	74.0	7.6	41-2,41-3	0.5410	666.51	11
Stoneville 4575 BR	4.4	1.05	82.2	26.9	8.2	3	70.2	10.1	41-3,43-1	0.4923	603.07	23
Beltwide Cotton Genetics 520 RR	4.8	1.06	83.4	27.5	6.4	2	71.3	8.4	41-3,41-4	0.5255	633.75	16
FiberMax 966	4.3	1.09	82.8	30.9	4.1	3	70.9	7.5	41-2,51-3	0.5235	630.29	18
FiberMax 2031 LL	4.4	1.11	82.2	29.7	4.2	3	72.8	8.1	41-3,41-4	0.5383	635.19	15
Paymaster 2326 RR (sus)	4.6	1.03	82.7	28.0	6.2	3	70.6	8.2	41-4,51-3	0.4865	573.58	31
PhytoGen 410 R	4.4	1.08	83.6	27.2	8.3	3	68.2	8.2	51-3	0.4930	576.81	30
H&W Genetex 521	4.3	1.12	83.2	29.2	4.9	4	70.8	8.0	41-4,51-3	0.5103	593.99	26
FiberMax 989 RR	3.7	1.07	82.4	29.6	5.5	3	72.4	8.4	41-3,41-4	0.5320	617.65	19
FiberMax 991 RR	3.7	1.12	82.1	29.3	5.6	2	73.7	8.8	31-4,41-3	0.5510	637.51	14
FiberMax 981 LL	4.2	1.08	81.8	29.2	5.5	3	70.6	8.1	41-4,51-3	0.5120	587.26	28
Beltwide Cotton Genetics 30 R	3.8	1.12	82.2	26.5	6.3	3	72.7	8.5	41-2,41-3	0.5383	614.74	20

Table 38A. Cont.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf		Color Grade <sup>1/2</sup>	Loan Value	Gross Loan Value per Acre		
	naire	Length				Rd	+b			\$	Rank	
Stoneville x3636 B2R	4.6	1.05	81.4	25.7	5.3	2	69.5	9.4	42-2	0.4830	551.59	35
FiberMax 800 B2R	4.2	1.09	82.5	29.2	4.9	3	73.2	8.6	41-3	0.5368	611.42	21
FiberMax 960 RR	3.9	1.07	81.1	29.8	4.7	3	72.3	8.2	41-2,41-4	0.5280	601.39	24
FiberMax 800 BR	3.9	1.10	82.4	29.4	5.6	3	73.4	9.6	31-4,32-2	0.5423	610.63	22
Stoneville x5454 B2R	4.3	1.05	80.6	27.4	6.0	2	71.1	10.4	33-1,42-1	0.4913	552.22	34
Stoneville 6636 BR	4.1	1.10	82.2	28.2	5.1	2	70.4	9.6	33-2,41-4	0.5128	568.70	32
Beltwide Cotton Genetics 28 R	4.3	1.07	81.1	26.5	5.6	3	71.4	8.1	41-2,41-4	0.5305	584.08	29
FiberMax 991 B2R	4.0	1.09	81.3	29.6	5.2	2	74.5	7.4	41-1,41-2	0.5400	593.46	27
FiberMax 991 BR	3.9	1.11	81.8	31.1	5.4	2	73.3	8.8	41-3	0.5448	596.56	25
FiberMax 800 RR	4.5	1.04	83.2	28.9	5.1	2	73.2	8.7	31-4,41-3	0.5068	537.71	38
FiberMax 832 LL	4.2	1.10	82.3	28.9	5.5	2	71.8	7.8	41-2,51-3	0.5188	549.41	36
FiberMax 819	4.0	1.11	82.7	28.1	4.6	3	71.4	8.3	41-4	0.5393	559.25	33
Beltwide Cotton Genetics 24 R	4.3	1.06	82.5	27.0	7.2	2	73.9	9.1	31-4,32-2	0.5178	524.01	39
FiberMax 819 RR	4.1	1.09	83.1	28.8	6.1	3	70.9	8.9	41-4	0.5395	542.20	37
Tamcot Sphinx (res)	4.6	1.02	80.9	28.9	5.7	2	71.9	8.2	41-2,41-4	0.4930	488.07	42
FiberMax 832	4.1	1.10	83.3	30.1	5.0	3	70.9	9.4	32-2,41-4	0.5363	523.97	40
Stoneville 6848 R	4.5	1.10	83.1	30.5	5.4	2	70.2	9.1	41-3,42-2	0.5263	502.09	41
Mean	4.2	1.08	82.2	28.7	5.4	2	72.2	8.5		0.5230		
C.V.%	5.4	1.9	0.9	2.3	7.2	26.1	1.7	7.3		3.3		
LSD 0.05	0.4	0.03	1.2	1.1	0.7	1	2.0	1.0		0.0290		

<sup>1/2</sup> 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.