

Table 2. Results of the irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2003.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-20-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 989 RR	1894	29.7	44.3	39.9	30.3	5.8	10.0	6.9	32.9	41	2.4
FiberMax 989	1622	27.6	42.8	39.9	29.9	5.3	9.9	6.8	30.9	46	2.4
FiberMax 966 LL	1603	28.8	44.0	39.2	29.5	5.8	10.9	7.5	30.5	48	2.8
FiberMax 960 RR	1544	27.9	42.6	39.2	29.2	5.6	10.8	7.3	30.0	46	3.0
FiberMax 958 LL	1526	28.0	42.4	39.8	29.5	5.2	10.3	7.1	28.9	61	2.6
FiberMax 989 BR	1503	26.6	42.8	38.2	28.2	5.5	10.4	6.7	31.1	40	2.8
Deltapine X00w12	1483	26.6	41.0	41.7	30.4	5.1	9.7	7.1	29.9	49	2.5
FiberMax 832 B	1477	25.1	40.9	39.4	27.4	4.8	8.6	5.9	32.2	35	2.6
Paymaster 2167 RR	1475	29.2	44.0	38.0	29.2	4.9	9.3	5.9	31.3	62	3.4
FiberMax 981 LL	1453	26.7	46.1	37.3	28.0	5.4	10.4	6.5	31.1	52	2.3
AFD 2485	1430	29.6	42.2	41.2	30.7	5.4	10.4	7.6	29.6	56	3.0
Beltwide Cotton Genetics 24R	1402	29.0	45.6	39.7	30.2	4.6	9.1	6.3	29.3	54	2.5
Deltapine 493 cruiser	1397	28.6	39.7	42.2	32.0	4.2	7.9	6.1	28.9	45	2.5
FiberMax 832 LL	1397	26.7	44.1	37.0	28.5	5.9	10.3	6.5	33.4	48	2.5
Stoneville 4793 R	1397	27.2	42.2	37.7	28.5	4.8	9.7	6.3	28.6	40	2.5
AFD 3602 R	1396	27.1	45.7	38.8	29.8	6.0	11.3	7.3	32.0	46	3.1
Deltapine 494 RR	1390	28.4	45.6	39.4	30.2	5.0	9.2	6.3	31.5	41	2.7
FiberMax 832	1389	25.5	42.7	37.3	27.5	5.5	9.8	6.2	33.3	44	2.4
FiberMax 800 RR	1382	27.5	42.7	40.0	28.4	4.6	9.4	6.6	27.9	29	2.5
FiberMax 958	1375	26.8	40.4	39.8	29.8	5.2	10.4	7.3	28.7	58	3.0
Stoneville 5242 BR	1374	27.3	41.3	39.8	29.7	5.5	10.7	7.4	29.3	45	2.3
Stoneville 5599 BR	1363	27.7	42.9	39.0	30.0	5.2	9.9	6.6	30.4	35	2.6
Stoneville 3990 BR	1359	28.2	45.6	37.1	27.4	5.6	11.2	7.0	30.1	57	2.3
Deltapine 424 BG2/RR	1349	26.7	46.1	36.8	28.2	5.0	9.9	6.0	30.7	46	2.8
FiberMax 5024 BXN	1338	27.1	45.5	36.4	26.0	5.0	10.3	6.2	29.1	55	3.5

Table 2. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 10-20-03	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Stoneville 474	1328	26.6	40.6	38.9	29.2	4.9	9.7	6.7	28.3	49	2.5
Stoneville 2454 R	1327	28.3	45.7	40.0	30.7	5.5	9.8	6.8	32.1	61	2.6
Deltapine 434 RR	1322	28.4	42.2	40.0	29.7	5.5	9.7	6.8	32.2	49	2.7
Paymaster 2266 RR	1315	26.7	46.1	36.4	28.2	5.7	11.1	6.6	31.6	63	3.2
FiberMax 960 BR	1308	27.5	42.5	38.7	28.9	5.6	10.8	7.1	30.2	45	2.7
Stoneville 4892 BR	1299	27.3	41.4	38.5	29.0	5.0	10.1	6.7	28.9	47	2.5
All-Tex 85039 BG/R	1293	25.3	45.3	35.9	27.9	5.8	11.1	6.5	32.1	63	3.2
Deltapine 555 BG/RR	1292	29.2	41.7	40.9	32.2	4.4	7.7	5.7	32.0	34	2.5
All-Tex Top-pick	1289	24.9	44.3	36.3	26.2	4.8	9.9	6.0	29.2	48	2.6
Beltwide Cotton Genetics 28R	1289	25.8	42.6	39.5	30.3	4.7	8.5	5.9	31.9	58	2.6
Stoneville 4646 B2R	1288	26.9	44.4	37.1	27.8	5.2	10.4	6.5	29.9	41	2.9
Deltapine 449 BG/RR	1285	29.3	46.3	39.0	29.5	4.5	8.8	5.9	30.1	47	2.4
Hazera HA 195	1280	21.7	41.8	34.1	24.9	4.0	11.1	6.2	22.4	35	1.9
AFD 2070	1272	26.4	43.9	38.2	29.3	5.4	10.3	6.7	30.9	60	3.3
FiberMax 991 RR	1266	26.6	42.6	38.0	29.0	4.8	9.1	5.9	30.7	44	2.4
FiberMax 800 BR	1265	27.1	42.8	37.7	27.8	5.2	9.7	6.2	31.5	27	2.9
FiberMax 991 BR	1265	26.8	42.4	38.7	29.7	4.7	8.8	5.9	31.2	45	2.2
Deltapine 458 B/RR	1258	25.4	41.8	38.6	30.8	5.0	8.7	5.6	34.4	33	2.7
Acala 1517-99	1246	25.6	42.1	36.7	26.8	5.3	10.6	6.5	29.9	30	2.2
All-Tex 85096 BG/R	1246	26.0	44.3	36.9	27.7	6.1	10.5	6.4	35.2	55	3.3
Acala 1517-95	1243	24.6	42.4	36.5	26.5	5.6	11.8	7.2	28.1	50	2.3
Beltwide Cotton Genetics 850 R	1237	26.2	43.6	38.7	29.5	5.0	10.0	6.5	29.8	53	2.8
Paymaster 2326 RR	1222	26.6	46.6	36.5	27.4	5.4	10.3	6.2	31.8	51	3.4
Deltapine 237B	1220	27.1	47.2	34.0	25.1	5.0	10.0	5.5	30.6	69	3.4
FiberMax 5013	1213	26.1	47.7	36.0	27.0	5.0	10.1	6.0	30.1	73	3.1

Table 2. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-20-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
Deltapine 488 BG/RR	1206	24.4	43.1	37.8	29.6	5.5	9.0	5.7	36.5	25	2.8
Syngenta N 2108ss	1182	27.6	45.4	39.6	29.8	5.2	9.9	6.8	29.9	76	2.6
Deltapine 468 BG2/RR	1147	25.2	47.5	35.5	27.4	4.7	9.2	5.3	31.0	53	2.9
Stoneville 5303 R	1144	26.1	44.4	41.2	30.9	5.4	10.0	7.1	31.6	45	2.6
Hazera HA 175	1123	21.5	46.2	32.0	21.2	3.6	11.4	5.7	19.8	46	2.2
All-Tex Atlas RR	1107	26.3	46.3	36.2	27.8	5.5	10.1	5.9	33.4	64	3.4
All-Tex Excess RR	1094	24.6	46.3	34.8	27.0	6.0	11.1	6.4	32.8	59	3.2
All-Tex Atlas	1075	25.4	44.6	35.4	26.0	5.4	10.8	6.2	30.7	67	3.2
Tamcot Luxor	1020	26.7	41.7	39.5	29.1	5.9	10.4	7.2	32.3	76	2.5
Hazera HA 14	948	18.3	41.8	32.1	23.4	3.9	11.6	5.8	21.3	32	2.0
Mean	1320	26.6	43.7	38.0	28.5	5.1	10.0	6.4	30.4	49	2.7
C.V.%	11.1	3.3	3.2	2.8	3.9	5.8	3.8	5.2	5.0	23.9	6.6
LSD 0.05	172	1.4	2.4	1.8	1.9	0.5	0.6	0.6	2.5	14	0.2

Table 2A. Results of the irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2003.

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 RR	3.8	1.12	81.5	28.7	5.8	1	79.0	7.8	31-1	0.5560	1053.06	1
FiberMax 989	3.5	1.14	81.2	28.2	5.7	1	78.8	7.6	31-1,31-2	0.5358	869.07	3
FiberMax 966 LL	4.1	1.13	82.9	30.4	4.9	1	78.2	7.1	31-2	0.5575	893.67	2
FiberMax 960 RR	3.5	1.13	80.4	29.4	4.9	1	78.2	7.4	31-2	0.5458	842.72	4
FiberMax 958 LL	4.2	1.14	83.2	28.6	5.8	2	76.9	7.0	41-1	0.5418	826.79	5
FiberMax 989 BR	3.5	1.11	80.6	27.1	6.0	2	78.2	7.4	31-2	0.5418	814.33	7
Deltapine X00w12	3.8	1.14	81.7	26.8	8.0	1	77.5	8.2	31-1	0.5570	826.03	6
FiberMax 832 B	3.1	1.11	81.1	27.0	6.7	1	78.8	7.2	31-2	0.5085	751.05	16
Paymaster 2167 RR	4.5	1.01	83.1	26.0	8.2	1	75.5	7.9	41-1	0.4905	723.49	23
FiberMax 981 LL	3.6	1.13	81.7	28.8	6.1	1	76.8	7.5	31-1,41-1	0.5478	795.95	8
AFD 2485	4.2	1.16	82.4	29.7	5.1	1	77.7	7.2	31-2,41-1	0.5510	787.93	9
Beltwide Cotton Genetics 24R	3.8	1.10	81.9	26.0	8.7	1	79.1	7.8	31-1	0.5450	764.09	12
Deltapine 493 cruiser	3.6	1.11	81.3	27.4	6.1	1	79.2	6.9	31-1,41-1	0.5458	762.48	13
FiberMax 832 LL	3.4	1.15	81.6	28.1	5.8	2	76.9	7.3	31-2,41-1	0.5283	738.04	19
Stoneville 4793 R	3.9	1.07	82.5	25.9	7.3	2	75.8	8.4	31-1,41-1	0.5328	744.32	17
AFD 3602 R	3.9	1.12	81.9	27.9	6.3	1	78.7	8.0	31-1	0.5538	773.10	11
Deltapine 494 RR	3.6	1.14	82.4	27.5	7.6	1	77.8	7.9	31-1,31-2	0.5455	758.24	15
FiberMax 832	3.2	1.15	82.1	28.2	6.3	1	77.7	7.6	31-2,41-1	0.5178	719.22	24
FiberMax 800 RR	3.8	1.13	83.8	29.0	6.6	1	78.9	7.7	31-1,31-2	0.5603	774.33	10
FiberMax 958	4.2	1.16	82.9	29.6	5.1	1	77.7	7.2	31-2,41-1	0.5525	759.69	14
Stoneville 5242 BR	3.8	1.06	82.2	24.9	8.7	1	78.0	8.2	31-1	0.5205	715.17	26
Stoneville 5599 BR	3.6	1.08	80.7	27.7	5.5	1	75.7	8.6	31-2,31-4	0.5338	727.57	20
Stoneville 3990 BR	3.7	1.04	81.7	24.3	8.4	1	79.1	8.0	21-2,31-1	0.5110	694.45	36
Deltapine 424 BG2/RR	4.0	1.10	82.7	25.2	8.8	1	78.8	7.8	31-1,31-2	0.5493	741.01	18
FiberMax 5024 BXN	3.8	1.07	82.9	27.1	7.2	1	78.7	7.7	31-2,31-1	0.5203	696.16	34

Table 2A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elong- ation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 474	3.9	1.09	82.2	26.3	7.5	2	75.0	8.4	31-3,41-1	0.5400	717.12	25
Stoneville 2454 R	4.0	1.07	82.8	25.7	7.8	2	76.9	7.3	31-2,41-1	0.5215	692.03	39
Deltapine 434 RR	3.8	1.13	81.3	25.7	8.1	1	77.6	7.9	31-1,31-2	0.5488	725.51	21
Paymaster 2266 RR	4.3	1.07	83.2	27.2	8.3	1	76.4	7.8	31-1,41-1	0.5375	706.81	30
FiberMax 960 BR	4.0	1.08	81.9	28.8	6.0	1	78.1	7.9	31-1,31-2	0.5533	723.72	22
Stoneville 4892 BR	3.8	1.07	82.0	26.2	7.8	2	76.5	8.5	31-1,41-1	0.5315	690.42	40
All-Tex 85039 BG/R	3.7	1.11	82.6	25.9	8.8	1	79.0	7.9	31-1	0.5478	708.31	28
Deltapine 555 BG/RR	3.3	1.13	80.7	26.0	6.2	1	79.0	7.5	31-1,31-2	0.5208	672.87	43
All-Tex Top-pick	4.1	1.14	82.6	26.0	7.6	1	77.5	7.6	31-1,41-1	0.5483	706.76	31
Beltwide Cotton Genetics 28R	3.8	1.10	80.6	25.5	6.4	1	78.0	7.6	31-2	0.5438	700.96	33
Stoneville 4646 B2R	3.8	1.09	81.2	26.1	7.2	1	78.0	8.5	21-2,31-2	0.5490	707.11	29
Deltapine 449 BG/RR	3.7	1.11	81.5	27.7	6.5	1	79.0	7.2	31-1,31-2	0.5523	709.71	27
Hazera HA 195	3.0	1.28	80.7	32.4	6.1	1	71.6	11.1	33-1	0.4388	561.66	57
AFD 2070	4.0	1.07	82.0	27.0	7.4	1	77.1	7.9	31-2	0.5443	692.35	38
FiberMax 991 RR	3.8	1.13	81.0	28.0	6.1	1	79.1	7.8	31-1	0.5570	705.16	32
FiberMax 800 BR	3.4	1.18	82.2	28.3	6.4	1	78.8	7.3	31-2	0.5363	678.42	42
FiberMax 991 BR	4.0	1.13	81.5	29.4	5.9	1	78.1	7.3	31-2,41-1	0.5480	693.22	37
Deltapine 458 B/RR	3.6	1.14	81.6	27.2	6.8	1	79.1	7.9	31-1	0.5530	695.67	35
Acala 1517-99	3.4	1.14	82.5	27.2	7.0	2	75.2	8.1	31-2,41-1	0.5158	642.69	50
All-Tex 85096 BG/R	4.0	1.08	83.4	27.7	6.8	1	79.0	7.7	31-1	0.5313	662.00	45
Acala 1517-95	3.8	1.16	82.8	30.3	6.1	2	76.3	7.3	41-1	0.5458	678.43	41
Beltwide Cotton Genetics 850 R	3.6	1.10	81.2	26.4	8.4	1	79.9	7.4	31-1,31-2	0.5433	672.06	44
Paymaster 2326 RR	4.2	1.07	83.1	28.4	7.3	2	76.1	7.9	31-2,41-1	0.5313	649.25	47
Deltapine 237B	4.1	1.07	82.2	25.6	8.6	1	78.5	7.7	31-1,31-2	0.5235	638.67	51
FiberMax 5013	4.3	1.08	83.2	28.1	7.4	2	76.5	7.4	31-2,41-1	0.5385	653.20	46

Table 2A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Deltapine 488 BG/RR	3.4	1.15	80.5	27.8	6.2	2	77.3	7.8	31-2	0.5360	646.42	48
Syngenta N 2108ss	4.0	1.09	82.2	26.3	7.6	1	77.7	7.6	31-2	0.5443	643.36	49
Deltapine 468 BG2/RR	3.9	1.12	81.2	24.9	7.6	1	79.3	7.6	31-1,31-2	0.5445	624.54	52
Stoneville 5303 R	3.4	1.08	82.8	28.7	6.6	1	78.7	8.4	21-2,31-1	0.5273	603.23	53
Hazera HA 175	3.0	1.27	81.6	31.9	6.0	2	71.2	9.9	32-2,42-1	0.4718	529.83	58
All-Tex Atlas RR	4.4	1.04	82.2	27.1	7.6	2	76.2	8.3	31-2	0.5208	576.53	55
All-Tex Excess RR	4.2	1.08	82.8	27.0	8.2	1	76.8	7.4	41-1	0.5335	583.65	54
All-Tex Atlas	4.2	1.07	82.9	27.3	7.8	2	76.3	7.5	41-1	0.5273	566.85	56
Tamcot Luxor	3.8	1.05	82.8	27.7	6.8	3	74.6	7.0	41-1,41-2	0.5120	522.24	59
Hazera HA 14	3.1	1.35	82.2	32.2	6.0	3	68.2	9.5	42-2	0.4728	448.21	60
Mean	3.8	1.11	82.0	27.5	6.9	1	77.3	7.8		0.5340		
C.V.%	6.9	2.8	1.0	3.6	7.8	27.3	1.2	4.4		2.8		
LSD 0.05	0.4	0.05	1.3	1.7	0.9	1	1.6	0.6		0.0249		

^{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.