

Table 2. Results of the drip irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-18-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 960 B2 (Tested as BCSX 0222 B2)	1585	27.8	44.2	37.5	27.9	5.3	10.6	6.7	29.3	65	2.8
Deltapine 455 BG/RR	1545	30.5	41.0	41.9	30.5	4.6	8.0	6.1	31.9	58	2.6
FiberMax 960 B2R	1535	28.1	43.3	39.8	32.0	5.8	10.4	7.2	31.9	54	2.8
FiberMax 989 BR	1474	28.6	44.9	38.5	29.4	5.3	10.8	7.2	28.6	72	2.8
FiberMax 960 B2R	1464	27.6	43.7	39.0	30.8	5.6	10.6	7.1	30.4	57	2.8
FiberMax 958	1451	28.6	43.6	40.0	30.4	5.5	10.9	7.5	29.0	63	3.0
PhytoGen 440 W	1442	26.0	39.9	37.8	27.2	4.1	8.9	5.8	26.6	59	2.8
FiberMax 960 RR	1438	28.0	43.6	39.9	31.0	6.1	11.2	7.8	31.2	58	3.0
Stoneville 4892 BR	1433	26.3	38.7	41.3	30.3	4.4	8.9	6.7	27.0	57	2.7
FiberMax 989 B2R	1415	27.0	45.3	37.3	27.8	5.3	11.0	6.8	29.0	68	2.5
NM 03K1028	1413	25.5	43.3	38.4	28.4	4.4	9.4	6.2	27.5	68	2.2
FiberMax 960 BR	1407	26.7	42.6	38.9	30.2	5.4	10.0	7.1	29.3	62	2.7
FiberMax 989 RR	1389	27.0	39.6	39.5	30.7	5.6	9.9	6.8	33.2	63	2.6
FiberMax 965 LLB2 (Tested as X0222 B2LL)	1373	25.1	42.4	38.7	29.2	5.1	9.8	6.5	30.2	46	2.8
PhytoGen 370 WR	1340	26.8	39.8	41.0	27.9	4.0	8.1	6.1	27.0	53	2.1
Deltapine 444 BG/RR	1334	29.4	41.3	41.5	29.9	4.5	8.5	6.4	29.4	60	2.5
PhytoGen 480 WR	1326	26.5	43.3	37.5	28.4	4.5	8.5	5.4	31.1	58	2.3
Deltapine 494 RR	1316	28.9	43.4	38.3	28.4	4.9	8.6	5.6	33.5	61	2.8
Stoneville 4575 BR	1315	28.9	43.3	40.7	30.6	4.3	8.9	6.5	27.2	59	2.3
Deltapine 555 BR	1313	27.6	40.5	42.2	31.4	4.0	6.8	5.3	31.4	61	2.4
PhytoGen 470 WR	1309	27.4	43.3	38.8	29.2	4.7	9.1	6.2	29.1	58	2.6
FiberMax 958 LL	1306	26.8	41.6	39.2	29.6	5.3	10.1	6.8	30.5	66	2.9
AFD 3602 RR	1295	27.9	45.9	36.1	26.0	5.1	10.3	6.1	29.9	57	3.4
Deltapine 454 BG/RR	1291	25.9	37.9	42.7	30.0	3.9	7.5	6.1	27.4	70	2.2
PhytoGen 72	1258	28.6	46.6	38.6	27.5	4.2	10.1	6.6	24.0	52	2.5

Table 2. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-18-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 966 LL	1246	26.8	41.1	38.7	28.8	4.7	10.7	7.1	25.2	58	3.0
Deltapine 488 BG/RR	1242	25.7	43.1	37.2	28.8	4.6	8.6	5.4	31.8	57	3.0
Stoneville 4686 R	1234	28.4	41.8	40.5	29.3	4.3	9.2	6.6	26.2	62	2.2
Stoneville 5303 R	1231	26.4	40.8	39.7	29.1	4.7	9.4	6.4	28.8	67	2.9
Stoneville 6636 BR	1231	25.0	40.4	37.9	27.9	4.4	9.0	5.7	28.8	56	2.5
Deltapine 445 BG/RR	1229	27.2	40.4	39.8	29.9	4.7	8.9	6.2	30.2	62	2.5
AFD 5062 LL( Tested as FiberMax BCSX 8836 LL)	1227	27.0	44.9	36.5	29.3	6.6	12.0	7.4	32.6	68	3.3
Hazera HA 195	1210	23.9	46.7	33.7	24.9	4.0	9.4	5.4	24.9	51	2.2
Stoneville 6848 R	1209	26.4	43.9	37.9	30.2	4.7	8.6	5.5	32.5	48	2.0
Stoneville 5242 BR	1185	25.4	36.7	40.9	29.2	4.8	9.9	7.3	27.2	68	2.4
H&W 520 RR	1158	25.7	44.8	35.4	27.0	5.8	11.5	6.6	31.1	63	3.1
FiberMax 5045 BR	1152	27.1	44.0	38.1	27.5	4.8	9.7	6.2	29.7	70	3.4
Hazera 14-05	1151	20.7	40.6	34.3	26.0	4.6	12.2	7.0	22.4	47	2.3
PhytoGen 310 R	1145	26.1	40.8	40.3	30.6	4.6	7.6	5.5	33.3	67	2.3
Stoneville 3664 R	1142	27.8	42.6	41.1	31.6	5.1	10.5	7.5	27.5	64	3.9
Stoneville x0416 B2R	1138	25.2	41.5	37.6	27.0	4.4	8.1	5.1	32.2	52	2.6
PhytoGen 410 R	1135	25.8	43.2	38.4	28.5	4.3	9.3	6.1	26.7	58	2.6
Stoneville NG3969 R	1132	25.9	45.0	36.2	26.5	4.1	9.2	5.4	27.5	58	3.7
NM 03S1065	1122	26.1	44.0	38.5	28.4	4.4	9.5	6.2	27.3	57	2.4
NM 03N1155	1120	23.7	42.2	35.8	26.1	4.7	10.0	6.0	28.5	64	2.2
Beltwide Cotton Genetics 24R	1106	25.3	41.0	39.6	28.4	4.1	7.6	5.2	31.7	58	3.1
Deltapine 434 RR	1104	26.9	42.0	39.5	29.0	4.5	8.8	6.0	29.7	67	2.8
FiberMax 981 LL	1104	24.5	41.8	36.7	27.2	5.1	10.8	6.6	28.1	63	2.5
Stoneville NG2448 R	1098	26.3	43.4	37.1	26.1	5.3	10.5	6.5	30.4	75	3.3
Paymaster 2167 RR	1072	25.0	40.7	38.8	29.9	5.1	10.1	6.7	29.8	70	3.8

Table 2. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-18-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Paymaster 2266RR	1071	24.8	45.4	34.6	26.3	5.9	12.3	6.8	30.0	71	3.3
Stoneville 5599 BR	1059	28.0	43.4	39.8	30.0	4.8	8.8	6.1	31.3	54	2.7
All-Tex Atlas RR	1022	25.3	45.5	35.6	27.1	5.5	9.9	5.7	34.6	72	3.8
All-Tex Excess RR	1014	24.5	46.1	34.0	26.0	5.6	11.2	6.0	31.5	64	3.5
FiberMax 5044 RR	1010	26.0	45.3	36.1	26.8	5.8	11.0	6.5	32.6	65	3.6
Acala 1517-99	986	23.2	42.0	37.6	28.2	5.2	10.5	6.6	29.6	63	2.2
AFD 3511 RR	981	23.6	45.5	33.1	25.7	5.6	10.5	5.4	34.4	61	3.8
Paymaster 2326 RR	980	25.1	45.7	35.7	27.2	5.2	10.7	6.2	30.0	57	3.7
Hazera YD02-11	888	17.2	41.4	30.4	18.3	3.2	10.4	4.9	19.5	42	1.8
Deltapine 432 RR	745	14.6	41.8	39.2	27.8	4.1	8.3	5.6	28.7	57	2.8
Mean	1227	26.0	42.7	38.2	28.4	4.8	9.7	6.3	29.3	61	2.8
C.V.%	9.8	6.7	5.7	2.1	5.2	10.2	7.7	7.7	8.4	14.5	9.0
LSD 0.05	141	2.9	4.1	1.3	2.4	0.8	1.2	0.8	4.1	10	0.3

Table 2A. Results of the drip irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2005.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 960 B2 (Tested as BCSX 0222 B2)	4.0	1.15	80.5	29.6	4.5	3	80.7	7.2	21-2,31-1	0.5753	911.85	1
Deltapine 455 BG/RR	3.6	1.10	79.3	27.0	6.5	1	79.8	8.6	21-1,21-2	0.5690	879.10	2
FiberMax 960 B2R	3.7	1.15	81.0	29.1	4.4	1	80.5	7.0	31-1,31-2	0.5703	875.41	3
FiberMax 989 BR	4.1	1.10	78.9	25.5	5.5	2	80.3	7.4	31-1	0.5563	819.99	5
FiberMax 960 B2R	3.7	1.13	78.3	27.2	3.9	2	80.3	6.8	31-1,31-2	0.5643	826.14	4
FiberMax 958	3.9	1.12	78.7	27.6	4.9	2	78.8	8.3	21-4,31-1	0.5650	819.82	6
PhytoGen 440 W	3.8	1.07	80.2	24.2	8.4	2	78.8	8.2	21-231-1,	0.5310	765.70	12
FiberMax 960 RR	3.5	1.10	79.3	26.7	4.6	2	80.9	7.7	21-2	0.5495	790.18	10
Stoneville 4892 BR	3.7	1.04	80.8	26.1	6.7	1	79.8	8.5	21-1,21-2	0.5285	757.34	13
FiberMax 989 B2R	3.9	1.15	79.9	29.2	5.1	2	78.7	7.3	31-1,31-2	0.5705	807.26	7
NM 03K1028	3.6	1.14	82.1	26.8	7.4	2	78.9	7.4	31-1,31-2	0.5690	804.00	8
FiberMax 960 BR	3.8	1.11	79.6	29.1	4.4	2	80.3	7.4	31-1	0.5658	796.08	9
FiberMax 989 RR	3.9	1.09	79.6	27.7	5.3	1	79.3	7.7	21-2,31-2	0.5575	774.37	11
FiberMax 965 LLB2 (Tested as X0222 B2LL)	3.3	1.10	78.5	25.7	4.8	1	80.0	7.5	31-1	0.5320	730.44	19
PhytoGen 370 WR	3.6	1.05	79.8	25.0	7.0	2	80.7	8.1	21-1,21-2	0.5218	699.21	26
Deltapine 444 BG/RR	3.7	1.09	80.4	25.8	5.9	1	79.9	7.7	21-2,31-1	0.5588	745.44	16
PhytoGen 480 WR	4.0	1.12	80.9	25.9	8.1	2	78.6	7.8	31-1,31-2	0.5705	756.48	14
Deltapine 494 RR	3.8	1.11	81.5	27.5	6.8	2	78.6	7.5	31-1,31-2	0.5665	745.51	15
Stoneville 4575 BR	4.0	1.09	81.0	24.4	9.2	2	79.2	8.1	31-1	0.5505	723.91	20
Deltapine 555 BR	3.5	1.07	78.7	26.3	5.2	2	79.8	6.9	31-1,31-2	0.5358	703.51	24
PhytoGen 470 WR	3.4	1.06	78.7	24.3	7.9	2	80.1	8.3	21-1,21-2	0.5125	670.86	29
FiberMax 958 LL	4.2	1.11	81.0	28.5	5.1	2	80.2	7.5	21-2,31-1	0.5693	743.51	17
AFD 3602 RR	3.9	1.08	79.5	26.0	5.8	2	80.9	7.4	21-2,31-1	0.5523	715.23	21
Deltapine 454 BG/RR	3.0	1.05	80.9	24.7	6.7	3	78.2	7.1	31-2,41-1	0.4573	590.37	47
PhytoGen 72	3.9	1.16	81.5	29.3	7.1	1	78.0	9.0	21-2,21-4	0.5813	731.28	18

Table 2A. Cont.

Designation	Micro-	Uni-	Elon-	Leaf	Color	Loan	Gross Loan Value per Acre					
	naire	formity	gation	Index			Grade <sup>1/</sup>	Value	\$	Rank		
FiberMax 966 LL	4.0	1.13	81.3	30.5	4.2	2	78.8	7.5	31-1,31-2	0.5740	715.20	22
Deltapine 488 BG/RR	3.3	1.10	79.0	26.7	6.3	2	79.6	7.9	21-2,31-1	0.5475	680.00	28
Stoneville 4686 R	4.0	1.06	79.4	24.4	8.8	1	78.7	8.7	21-2	0.5345	659.57	30
Stoneville 5303 R	3.9	1.04	81.9	27.3	6.1	2	80.2	8.1	21-2	0.5220	642.58	33
Stoneville 6636 BR	3.8	1.14	81.2	28.7	5.8	1	78.6	8.3	21-2,31-1	0.5745	707.21	23
Deltapine 445 BG/RR	3.6	1.10	80.0	26.4	8.1	2	80.4	8.0	21-2	0.5690	699.30	25
AFD 5062 LL( Tested as FiberMax BCSX 8836 LL)	4.1	1.06	80.7	26.9	5.4	2	78.1	7.4	31-1,41-1	0.5245	643.56	32
Hazera HA 195	2.8	1.23	79.0	32.8	7.2	5	66.8	10.2	43-1,52-1	0.4020	486.42	58
Stoneville 6848 R	3.9	1.15	82.1	30.6	5.5	1	78.1	8.2	21-2,31-2	0.5778	698.56	27
Stoneville 5242 BR	4.0	1.04	81.1	23.9	7.3	1	80.1	8.0	21-2,31-1	0.5173	613.00	42
H&W 520 RR	4.4	1.07	81.0	26.3	6.1	2	79.5	7.9	31-1	0.5498	636.67	34
FiberMax 5045 BR	3.9	1.06	81.2	26.9	7.0	1	80.1	8.0	21-2	0.5398	621.85	37
Hazera 14-05	3.0	1.23	80.9	32.2	8.0	5	66.6	9.8	43-2,52-1	0.4348	500.45	56
PhytoGen 310 R	3.6	1.10	80.6	27.1	7.1	2	78.3	8.0	31-1,31-2	0.5295	606.28	43
Stoneville 3664 R	4.2	1.01	81.2	25.3	6.7	1	79.2	7.9	31-1	0.4993	570.20	49
Stoneville x0416 B2R	3.7	1.07	80.4	27.5	5.8	2	78.0	7.3	31-2	0.5408	615.43	41
PhytoGen 410 R	4.0	1.10	81.1	25.8	8.3	3	77.3	7.5	31-2,41-1	0.5480	621.98	36
Stoneville NG3969 R	3.6	1.10	79.9	28.1	6.5	1	80.1	7.5	31-1	0.5558	629.17	35
NM 03S1065	3.8	1.17	81.8	31.4	6.1	1	78.7	7.8	31-1,31-2	0.5770	647.39	31
NM 03N1155	3.4	1.23	79.7	28.2	5.5	2	78.7	7.4	31-2	0.5500	616.00	40
Beltwide Cotton Genetics 24R	3.7	1.09	80.2	26.0	7.6	2	80.7	7.8	21-2	0.5573	616.37	39
Deltapine 434 RR	3.5	1.12	79.4	22.8	7.4	1	80.8	7.6	21-2,31-1	0.5385	594.50	45
FiberMax 981 LL	3.6	1.13	79.3	28.5	4.9	2	78.8	7.4	31-1,31-2	0.5623	620.78	38
Stoneville NG2448 R	4.1	1.08	81.2	27.9	6.6	3	78.5	7.8	31-1,31-2	0.5518	605.88	44
Paymaster 2167 RR	4.2	1.03	80.8	24.5	7.1	2	78.7	8.2	21-2,31-2	0.5115	548.33	53

Table 2A, Cont.

Micro- Uni- Elon- Leaf Color Loan Gross Loan Value per Acre

Designation	naire	Length	formity	Strength	gation	Index	Rd	+b	Grade <sup>1/</sup>	Value	\$	Rank
Paymaster 2266RR	4.0	1.07	81.1	26.7	6.9	2	77.8	7.8	31-2	0.5518	590.98	46
Stoneville 5599 BR	3.6	1.08	78.3	26.7	5.4	2	77.4	7.8	31-2	0.5453	577.47	48
All-Tex Atlas RR	3.9	1.02	80.1	26.5	6.8	2	79.0	7.7	31-1	0.5195	530.93	54
All-Tex Excess RR	4.0	1.08	80.4	27.3	7.3	1	79.6	8.1	21-2,31-1	0.5555	563.28	51
FiberMax 5044 RR	3.6	1.11	81.0	25.1	7.3	2	79.7	8.2	21-2	0.5613	566.91	50
Acala 1517-99	3.5	1.18	81.5	29.0	6.0	2	78.4	8.0	21-2,31-2	0.5575	549.70	52
AFD 3511 RR	3.9	1.01	79.7	25.0	6.7	2	78.9	8.7	21-2	0.4990	489.52	57
Paymaster 2326 RR	4.2	1.04	81.7	26.3	7.3	2	78.2	8.4	31-1	0.5195	509.11	55
Hazera YD02-11	2.9	1.34	81.9	31.9	7.7	2	73.5	10.7	22-2,32-1	0.4943	438.94	59
Deltapine 432 RR	3.4	1.08	78.0	25.4	7.4	2	78.5	8.2	31-1	0.5223	389.11	60
Mean	3.7	1.10	80.3	27.1	6.4	2	78.7	7.9		0.5420		
C.V.%	5.1	2.3	1.2	3.6	6.3	31.9	1.3	5.1		2.9		
LSD 0.05	0.3	0.04	1.7	1.6	0.7	1	1.7	0.7		0.0264		

<sup>1/</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.