

Table 2. Results of the drip irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2004.

Designation	Yield	Agronomic Properties								% Open Bolls 10-28-04
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	
FiberMax 960 BR	1096	28.4	43.4	40.6	29.8	4.8	9.4	6.7	29.0	3
Stoneville 5242 BR	1071	30.1	41.9	42.1	32.4	5.6	10.7	8.1	29.4	5
Paymaster 2167 RR	1005	28.3	43.6	37.7	30.0	5.2	9.9	6.3	31.4	33
Stoneville 2454 R	1000	29.1	40.2	40.8	31.7	5.9	10.8	7.8	30.7	17
FiberMax 958 LL	990	28.1	40.6	40.0	29.8	5.1	9.8	6.8	30.2	9
FiberMax 966 LL	982	26.8	40.7	40.3	30.4	5.8	10.0	7.0	33.4	6
FiberMax 5045 BR	977	28.1	43.0	39.0	30.3	5.3	9.6	6.4	32.6	26
Beltwide Cotton Genetics 520 RR	975	26.5	46.7	35.6	29.3	6.2	11.5	6.7	33.2	24
AFD 2485	973	29.0	39.9	40.9	30.7	5.3	10.1	7.3	29.3	13
Deltapine 444 BG/RR	973	26.7	38.1	41.1	32.2	4.8	10.1	7.3	26.8	24
FiberMax 989 BR	967	26.0	42.4	37.5	26.8	4.8	9.5	5.9	30.4	3
Deltapine 434 RR	963	28.8	40.3	36.5	27.6	4.6	8.9	5.5	30.9	20
Stoneville 5599 BR	955	27.4	41.5	40.5	31.3	5.8	9.5	6.7	35.5	6
FiberMax 958	950	27.6	39.0	39.6	30.8	5.7	10.5	7.2	31.4	12
FiberMax x2031 LL	932	26.6	39.6	38.6	29.2	5.3	10.3	6.8	30.2	21
FiberMax 819 RR	921	29.5	42.9	41.2	31.1	4.5	8.1	5.9	31.1	27
Stoneville 4686 R	919	27.5	41.6	41.1	31.5	5.1	9.3	6.7	31.0	4
NM 970123	910	27.7	41.3	41.0	29.9	5.3	9.9	7.2	30.3	15
All-Tex Atlas	900	25.2	45.0	36.1	28.1	5.5	10.6	6.3	31.6	25
Paymaster 2326 RR	895	26.7	44.7	36.3	27.8	5.0	10.0	6.0	30.6	32
Deltapine 432 RR	890	26.0	41.0	38.8	29.4	4.5	8.7	5.8	30.2	23
Beltwide Cotton Genetics 28 R	885	27.0	42.0	39.7	31.0	4.8	8.3	5.7	33.3	24
Acala 1517-99	872	27.9	46.3	37.3	28.2	4.9	10.5	6.5	27.9	5
Beltwide Cotton Genetics 50 R	871	27.1	46.3	36.1	28.1	5.7	10.4	6.2	33.4	24
FiberMax 960 RR	860	28.2	41.9	40.5	31.3	6.1	11.0	7.8	31.7	8

Table 2. Cont.

Designation	Yield	Agronomic Properties								% Open Bolls 10-28-04
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	
		Lint	Seed	Picked	Pulled					
Acala w1218	856	27.4	42.5	37.3	29.4	5.3	9.9	6.2	32.0	29
Stoneville 4575 BR	855	24.8	41.9	40.0	31.0	5.1	9.3	6.4	31.9	6
Paymaster 2266 RR	853	24.5	43.2	35.0	27.1	5.7	11.3	6.4	31.4	25
Stoneville x3636 B2R	849	25.6	43.3	38.0	29.2	5.5	11.5	7.3	28.6	2
Stoneville NG2448 R	843	24.7	42.3	37.4	29.3	5.3	10.0	6.3	31.9	31
Stoneville NG3969 R	839	23.9	41.2	36.0	26.5	4.5	9.2	5.3	29.6	23
Acala 1517-95	837	24.5	42.5	36.6	26.7	5.1	10.8	6.5	28.7	27
Stoneville 5303 R	835	26.7	42.4	38.9	29.2	4.9	9.1	5.9	32.5	23
FiberMax 5035 LL	833	23.2	42.6	34.5	26.0	5.0	9.7	5.3	32.6	31
Stoneville NG1553 R	832	25.7	43.7	36.2	29.9	5.4	11.1	6.6	29.6	38
Stoneville 4646 B2R	830	26.2	43.9	35.8	27.6	4.9	8.9	5.2	34.1	10
FiberMax 960 B2R	824	24.7	40.9	39.4	30.1	5.9	10.8	7.3	32.1	6
PhytoGen 410 R	821	24.8	41.7	37.4	27.6	4.7	12.0	7.6	23.6	16
FiberMax 5044 RR	819	26.0	44.2	37.2	28.5	5.4	10.7	6.5	30.7	30
All-Tex 304 RR	814	26.2	40.3	38.4	30.2	5.1	9.7	6.3	30.9	22
FiberMax 989 RR	814	24.4	38.1	39.5	29.2	4.8	9.6	6.6	29.1	5
Phytogen 72 Acala	812	26.0	42.3	38.2	29.1	5.4	9.7	6.3	32.7	19
FiberMax 5013	806	26.5	42.3	36.9	27.9	5.2	10.6	6.6	29.2	29
Stoneville 474	804	26.9	41.1	40.9	30.1	4.5	8.7	6.4	28.6	19
NM 970513	801	27.5	47.1	36.7	27.2	5.0	10.7	6.5	28.2	29
Deltapine 488 BG/RR	798	25.2	40.6	37.9	29.2	5.1	8.5	5.4	35.3	1
Stoneville 4793 R	790	26.4	39.3	38.4	28.3	4.5	9.4	6.2	27.4	7
Stoneville 3664 R	778	25.1	40.0	38.7	29.9	5.5	10.1	6.7	32.1	12
Stoneville 4892 BR	769	27.2	40.0	40.3	31.0	5.2	9.7	6.9	30.4	8
All-Tex Atlas RR	769	25.4	44.0	35.7	27.7	5.5	9.8	5.8	33.7	50

Table 2. Cont.

Agronomic Properties

% Open

Designation	Yield	% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-28-04
		Lint	Seed	Picked	Pulled					
Beltwide Cotton Genetics 24 R	763	24.3	38.0	38.4	29.1	4.1	7.7	5.0	31.0	12
All-Tex Magnum RR	758	25.5	40.5	39.0	29.8	4.5	8.4	5.6	31.4	17
Deltapine 494 RR	752	24.4	39.9	39.3	28.3	4.5	8.5	5.8	30.6	6
Hazera 72-05	748	22.5	41.0	33.9	25.0	4.1	13.1	7.3	19.2	14
All-Tex Warrior RR	744	23.8	43.4	35.6	26.6	4.3	8.6	4.9	31.2	15
All-Tex Top-Pick	733	23.5	41.1	36.4	25.8	4.8	9.6	5.8	30.5	15
Tamcot Luxor	729	25.7	39.2	39.2	29.1	5.8	10.1	6.9	32.8	44
All-Tex Patriot RR	715	22.7	39.9	36.7	27.7	4.9	9.3	5.7	31.8	8
Deltapine 458 B/RR	714	24.4	41.1	37.8	27.7	4.2	8.0	5.1	31.0	4
Hazera 195	701	23.0	37.1	33.9	23.1	3.6	9.8	5.5	22.5	3
Stoneville x5454 B2R	689	23.6	44.9	37.4	28.3	4.7	9.0	5.6	31.7	8
Stoneville 6848 R	671	23.7	42.6	35.8	26.3	4.5	9.1	5.3	30.9	2
Stoneville 6636 BR	669	23.4	42.4	36.8	27.3	4.3	8.4	5.1	31.6	6
<u>Deltapine 555 BG/RR</u>	<u>648</u>	<u>25.3</u>	<u>37.4</u>	<u>42.0</u>	<u>33.5</u>	<u>4.3</u>	<u>7.0</u>	<u>5.3</u>	<u>34.6</u>	<u>1</u>
Mean	842	25.9	41.7	38.2	28.9	5.0	9.7	6.3	30.7	16
C.V.%	8.8	4.2	3.6	2.6	3.4	5.9	8.6	8.3	7.1	58.5
LSD 0.05	87	1.8	2.5	1.6	1.6	0.5	1.4	0.9	3.6	11

Storm resistance ratings are not reported due to replanting. There were no obvious differences in storm resistance.

Table 2A. Results of the drip irrigated cotton variety test at the Donald Love Farm, Lamesa, TX, 2004.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
	naire	Length									\$	Rank
FiberMax 960 BR	3.3	1.07	82.2	27.4	5.9	2	78.5	8.2	21-2,31-2	0.5168	566.41	1
Stoneville 5242 BR	3.6	1.03	81.8	24.8	7.8	2	78.5	8.5	21-2,31-1	0.5015	537.11	4
Paymaster 2167 RR	4.0	1.00	80.9	25.3	7.8	3	77.5	7.9	31-1,31-2	0.4833	485.72	12
Stoneville 2454 R	3.6	1.02	81.5	25.6	8.5	2	78.8	8.8	21-2	0.4855	485.50	13
FiberMax 958 LL	3.8	1.09	81.8	28.3	5.6	3	78.3	7.7	31-2	0.5540	548.46	2
FiberMax 966 LL	3.5	1.11	82.5	29.3	4.8	3	77.6	7.6	31-2,41-1	0.5408	531.07	5
FiberMax 5045 BR	3.9	1.03	81.1	27.2	7.3	2	76.8	7.6	31-2,41-1	0.4978	486.35	11
Beltwide Cotton Genetics 520 RR	4.3	1.06	82.6	27.4	7.0	2	76.8	8.5	31-1,31-2	0.5353	521.92	6
AFD 2485	3.8	1.09	82.2	28.1	5.6	2	77.5	8.0	31-1,31-2	0.5540	539.04	3
Deltapine 444 BG/RR	3.0	1.07	81.5	24.6	6.6	2	78.0	8.1	31-1	0.4700	457.31	22
FiberMax 989 BR	3.2	1.08	81.0	26.3	6.0	2	77.8	7.4	31-1,41-1	0.5018	485.24	14
Deltapine 434 RR	3.2	1.10	81.0	24.2	8.1	2	78.6	7.3	31-1,41-1	0.5035	484.87	15
Stoneville 5599 BR	3.3	1.05	80.2	26.3	5.6	3	75.3	8.5	31-2,31-4	0.4918	469.67	16
FiberMax 958	3.4	1.08	81.7	27.3	6.3	1	77.7	8.1	31-1,31-2	0.5320	505.40	8
FiberMax x2031 LL	3.6	1.12	81.7	28.8	5.2	3	78.7	7.5	31-1,31-2	0.5455	508.41	7
FiberMax 819 RR	3.5	1.09	81.7	27.0	6.6	3	79.2	6.6	31-2,41-1	0.5340	491.81	10
Stoneville 4686 R	3.1	1.07	80.6	24.9	7.3	2	79.1	9.1	21-1	0.4900	450.31	25
NM 970123	3.5	1.17	84.4	30.5	5.8	3	76.7	8.4	21-3,41-1	0.5470	497.77	9
All-Tex Atlas	3.7	1.05	81.9	27.4	8.3	4	75.7	7.6	41-1	0.5085	457.65	21
Paymaster 2326 RR	4.3	1.05	82.0	26.9	7.6	3	75.8	7.7	41-1	0.5120	458.24	20
Deltapine 432 RR	3.6	1.05	81.6	24.8	7.9	2	76.8	7.9	31-1,41-1	0.5135	457.02	23
Beltwide Cotton Genetics 28 R	3.7	1.07	80.2	25.5	5.3	2	78.1	8.2	31-1	0.5298	468.87	17
Acala 1517-99	3.3	1.17	82.9	29.3	6.2	3	76.2	7.9	31-2,41-1	0.5308	462.86	18
Beltwide Cotton Genetics 50 R	3.9	1.02	80.7	26.4	7.6	2	76.9	7.3	31-2,41-1	0.5003	435.76	32
FiberMax 960 RR	3.2	1.10	81.4	28.8	5.5	3	78.4	7.9	31-1,31-2	0.5233	450.04	26

Table 2A. Cont.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^L	Loan Value	Gross Loan Value per Acre	
	naire	Length									\$	Rank
Acala w1218	3.6	1.15	82.1	30.0	6.9	3	75.4	7.3	41-1,41-2	0.5330	456.25	24
Stoneville 4575 BR	3.0	1.08	81.2	24.9	8.6	3	76.5	9.8	21-3,32-1	0.4730	404.42	43
Paymaster 2266 RR	3.9	1.07	83.3	27.1	8.2	3	75.6	8.5	31-2,31-4	0.5378	458.74	19
Stoneville x3636 B2R	3.4	1.06	80.6	25.4	5.7	2	77.2	9.0	21-4,31-3	0.5125	435.11	33
Stoneville NG2448 R	3.6	1.08	82.7	27.4	7.5	3	76.5	7.6	31-2,41-1	0.5275	444.68	28
Stoneville NG3969 R	3.3	1.08	81.9	26.6	7.1	2	77.7	8.4	31-1	0.5255	440.89	30
Acala 1517-95	3.6	1.15	84.0	29.3	6.2	4	75.9	7.7	31-2,41-1	0.5235	438.17	31
Stoneville 5303 R	3.3	1.03	81.7	26.4	6.3	1	78.0	8.4	31-1	0.4788	399.80	44
FiberMax 5035 LL	3.3	1.06	82.2	25.8	8.5	4	74.5	7.4	41-1,41-2	0.5008	417.17	39
Stoneville NG1553 R	3.8	1.08	81.7	27.0	7.1	1	77.2	8.3	21-2,31-4	0.5368	446.62	27
Stoneville 4646 B2R	3.6	1.03	80.6	25.2	6.6	2	76.5	8.3	31-1,41-1	0.4938	409.85	40
FiberMax 960 B2R	3.3	1.07	81.5	26.0	5.0	3	78.4	7.8	31-1	0.5145	423.95	36
PhytoGen 410 R	3.6	1.08	82.5	26.0	8.0	3	75.4	8.4	31-2,41-3	0.5198	426.76	35
FiberMax 5044 RR	3.3	1.08	81.7	25.5	8.2	2	79.0	8.7	21-1,31-1	0.5113	418.75	38
All-Tex 304 RR	3.4	1.06	81.7	26.0	7.2	2	77.6	8.2	21-2,31-2	0.5180	421.65	37
FiberMax 989 RR	2.9	1.08	81.7	26.2	5.6	2	79.6	8.1	21-2,31-1	0.5018	408.47	42
Phytogen 72 Acala	3.4	1.15	82.4	30.1	6.4	2	76.3	8.8	31-3,31-4	0.5430	440.92	29
FiberMax 5013	4.0	1.04	82.2	27.3	7.8	3	76.8	8.0	31-1,41-1	0.5080	409.45	41
Stoneville 474	3.5	1.04	81.0	24.6	7.8	3	74.9	8.5	31-4	0.4843	389.38	47
NM 970513	3.5	1.14	82.8	31.5	4.8	4	75.7	7.6	41-1	0.5420	434.14	34
Deltapine 488 BG/RR	2.9	1.11	81.4	25.9	6.0	3	78.1	9.1	21-2,21-4	0.4915	392.22	46
Stoneville 4793 R	3.5	1.02	81.9	25.8	6.6	2	76.6	9.1	21-4,31-3	0.4983	393.66	45
Stoneville 3664 R	3.4	1.00	81.2	24.6	6.5	3	77.5	9.4	21-3,21-4	0.4605	358.27	56
Stoneville 4892 BR	3.8	1.03	81.9	25.3	8.0	3	76.6	9.4	21-4,31-3	0.5045	387.96	48
All-Tex Atlas RR	4.0	1.02	81.1	27.4	7.6	3	76.6	8.3	31-1,31-2	0.4998	384.35	50

Table 2A. Cont.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
	naire	Length									\$	Rank
Beltwide Cotton Genetics 24 R	3.2	1.06	81.9	25.2	7.9	2	78.7	8.3	21-2,31-1	0.4940	376.92	54
All-Tex Magnum RR	3.3	1.07	82.2	25.6	8.2	2	78.1	8.2	21-2,31-2	0.4988	378.09	52
Deltapine 494 RR	2.9	1.10	81.9	27.0	6.4	2	77.7	8.9	21-2,31-3	0.5018	377.35	53
Hazera 72-05	2.9	1.20	81.9	29.6	6.1	5	66.6	9.9	42-2,43-2	0.3968	296.81	63
All-Tex Warrior RR	3.1	1.10	80.6	25.7	6.3	3	78.6	7.8	31-1,31-2	0.5128	381.52	51
All-Tex Top-Pick	3.2	1.13	81.7	26.5	7.3	3	77.3	7.7	31-2	0.5288	387.61	49
Tamcot Luxor	3.4	1.05	82.5	26.5	7.1	3	75.9	7.4	41-1	0.5068	369.46	55
All-Tex Patriot RR	3.0	1.12	81.5	25.7	6.9	2	79.5	8.1	21-2,31-1	0.4993	357.00	57
Deltapine 458 B/RR	3.1	1.04	80.1	25.4	7.7	3	79.5	8.2	21-2,31-1	0.4633	330.80	60
Hazera 195	2.7	1.27	83.7	30.1	5.7	4	71.6	10.2	32-2	0.4473	313.56	62
Stoneville x5454 B2R	3.7	1.05	80.7	25.8	7.5	2	78.3	8.9	21-3,31-1	0.5170	356.21	58
Stoneville 6848 R	2.9	1.12	83.5	27.9	6.5	3	78.2	8.9	21-3,31-1	0.4948	332.01	59
Stoneville 6636 BR	2.8	1.14	82.6	27.3	6.2	3	76.5	8.8	31-1,31-3	0.4908	328.35	61
Deltapine 555 BG/RR	2.9	1.05	79.0	24.6	5.1	2	80.3	7.9	21-2,31-1	0.4385	284.15	64
Mean	3.4	1.08	81.7	26.7	6.8	2	77.1	8.2		0.5060		
C.V.%	6.9	1.9	0.9	3.0	7.6	27.7	1.6	4.4		4.0		
LSD 0.05	0.4	0.02	1.2	1.3	0.9	1	2.0	0.6		0.0334		

^{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.