

Table 39. Results of the irrigated nematode cotton variety test at the AG-CARES Farm, Lamesa, TX, 2003.

Designation	Source	Yield	Agronomic Properties								% Open Bolls 10-03-03	Storm Resistance
			% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
			Lint	Seed	Picked	Pulled						
Stoneville 5599 BR	Comm	1700	32.5	43.5	41.6	32.7	5.3	9.7	7.2	30.6	60	2.9
Stoneville LA 887		1514	29.6	42.1	41.0	31.1	5.4	10.7	7.7	28.5	51	2.8
Deltapine 494 RR		1467	31.7	43.9	41.2	31.8	4.5	8.7	6.4	28.7	69	2.6
Deltapine 449 BG/RR		1436	31.7	47.9	41.0	31.3	4.2	8.4	6.0	28.6	67	2.6
TW 1318xTW 1320		02-T-RR-23	1364	29.6	41.9	41.4	32.0	5.4	10.5	7.7	28.6	75
Syngenta NX 25105 N		1363	31.2	43.0	41.9	32.4	5.0	9.9	7.6	27.5	74	3.1
Suregrow 215 BG/RR		1339	30.3	43.6	40.8	31.2	4.8	9.5	6.8	28.7	63	2.8
Stoneville 5242 BR		1338	30.8	41.4	41.8	32.6	5.6	10.8	8.1	28.7	69	2.6
Beltwide Cotton Genetics 24R		1316	29.6	44.2	40.6	31.4	4.2	8.5	6.1	27.9	78	2.8
Syngenta NX 24519		1279	28.5	43.3	39.4	29.8	5.0	10.6	7.2	27.2	57	3.1
Beltwide Cotton Genetics 28R		1237	31.9	47.0	40.8	31.2	4.3	8.6	6.2	27.9	77	2.6
Deltapine 451 B/RR		1181	27.7	47.4	38.6	30.4	4.6	10.0	6.4	28.2	62	2.8
Gannaway	02-T-43-104	1181	26.3	47.0	35.5	26.7	5.3	12.4	7.1	26.2	70	3.1
Stoneville 3990 BR		1159	29.6	45.4	38.6	29.6	5.4	10.9	7.2	29.2	73	2.6
All-Tex 85039 BG/R		1143	27.6	45.8	37.5	28.8	5.5	10.5	6.6	30.8	68	3.0
Acala NemX	Comm	1126	25.6	42.9	39.6	28.2	5.1	12.1	8.3	24.4	63	2.7
Hazera HA-195		1117	21.5	43.6	34.1	26.3	3.6	11.7	6.5	18.6	65	1.5
Paymaster HS 26		1110	25.1	42.5	36.7	27.5	5.2	10.6	6.4	29.5	78	3.0
Stoneville 5303 R		1110	29.8	42.6	40.7	30.9	4.9	9.9	7.0	28.1	68	2.9
Stoneville 2448 R		1091	28.1	46.0	38.3	29.6	5.1	10.2	6.7	29.0	82	2.9
All-Tex Top-Pick		1081	26.1	44.2	38.0	28.2	4.5	9.1	5.8	29.6	74	2.9
All-Tex Excess RR		1074	27.3	45.8	36.7	27.6	5.2	10.9	6.6	29.1	75	2.9
Paymaster 2200RR		1072	29.9	47.2	38.1	29.9	5.1	10.6	6.7	29.0	74	3.1
Holland x TW 1318	02-T-RR-24	1023	26.4	43.7	38.0	29.5	5.0	10.5	6.8	28.0	86	3.0
All-Tex 005		997	27.0	44.2	38.7	29.9	4.7	10.3	6.8	26.6	71	2.7

Table 39. Cont.

Designation	Source	Yield	Agronomic Properties								% Open 10-03-03	Storm Resistance
			% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
			Lint	Seed	Picked	Pulled						
Hazera HA-14		906	19.0	45.0	29.7	21.3	3.7	12.8	5.9	18.5	57	1.5
Hazera HA-175		879	19.7	42.8	31.8	22.6	3.4	12.3	6.2	17.2	67	1.2
Stoneville 1553 R		846	26.9	46.0	36.6	28.3	4.6	9.9	6.0	27.9	97	2.9
Mean		1194	27.9	44.4	38.5	29.4	4.8	10.4	6.8	27.2	70	2.7
C.V.%		11.8	3.8	3.8	2.3	2.8	3.7	3.8	4.0	5.1	18.0	7.2
LSD 0.05		166	1.8	2.8	1.5	1.4	0.3	0.7	0.5	2.4	15	0.2

Table 39A. Results of the irrigated nematode cotton variety test at the AG-CARES Farm, Lamesa, TX 2003.

Designation	Source	Micro-		Uni-		Elon- gation	Leaf		+	Color Grade <sup>L</sup>	Loan Value	Gross Loan Value per Acre	
		naire	Length	formity	Strength		Rd	+b				\$	Rank
Stoneville 5599 BR		5.1	1.04	81.1	28.8	5.2	1	75.1	8.8	41-3,31-3	0.4758	808.86	2
Stoneville LA 887	Comm	4.3	1.13	81.6	27.8	6.9	1	75.3	8.7	31-2,31-4	0.5530	837.24	1
Deltapine 494 RR		4.9	1.12	82.9	30.9	6.5	1	75.4	8.6	31-4	0.5420	795.11	3
Deltapine 449 BG/RR		4.6	1.09	82.1	30.4	5.5	1	78.3	8.0	31-1	0.5483	787.36	4
TW 1318xTW 1320	02-T-RR-23	5.0	0.99	80.0	25.8	6.4	1	75.6	8.5	31-2,31-4	0.4550	620.62	11
Syngenta NX 25105 N		4.8	1.12	83.0	29.0	6.9	2	76.2	8.9	31-3,31-4	0.5538	754.83	5
Suregrow 215 BG/RR		4.9	1.03	82.1	25.4	8.3	1	77.4	8.8	21-2,31-3	0.5010	670.84	7
Stoneville 5242 BR		5.2	1.01	82.8	26.3	6.7	1	76.7	9.1	31-3	0.4550	608.79	12
Beltwide Cotton Genetics 24R		4.5	1.06	82.1	27.8	7.5	1	78.7	8.2	21-2,31-1	0.5358	705.11	6
Syngenta NX 24519		4.9	1.06	81.2	28.6	6.8	1	76.9	8.6	31-1,31-3	0.5083	650.12	8
Beltwide Cotton Genetics 28R		5.0	1.08	80.9	27.6	5.5	1	75.5	8.7	31-4	0.5230	646.95	9
Deltapine 451 B/RR		5.1	1.07	82.1	27.5	5.3	1	78.0	8.3	31-1	0.5048	596.17	15
Gannaway	02-T-43-104	4.9	1.06	83.5	31.0	5.1	1	76.7	8.1	31-2	0.5148	607.98	13
Stoneville 3990 BR		4.4	1.00	81.2	25.5	7.4	1	76.5	8.3	31-2	0.4913	569.42	19
All-Tex 85039 BG/R		4.6	1.01	81.5	27.2	7.5	1	76.6	8.3	31-2	0.4870	556.64	20
Acala NemX	Comm	4.2	1.13	84.0	35.0	5.0	1	76.1	8.4	31-2	0.5650	636.19	10
Hazera HA-195		3.4	1.33	84.2	35.9	6.7	1	71.1	10.1	32-2,42-1	0.5103	570.01	18
Paymaster HS 26		4.8	1.03	81.8	30.7	7.1	1	74.3	8.0	41-1	0.4840	537.24	22
Stoneville 5303 R		5.2	1.06	83.9	31.1	5.3	1	76.0	8.8	31-1,31-3	0.4848	538.13	21
Stoneville 2448 R		4.6	1.06	82.0	31.2	6.3	1	75.0	8.5	31-2,41-3	0.5345	583.14	16
All-Tex Top-Pick		4.3	1.15	82.8	29.0	6.6	1	77.8	8.5	31-1	0.5585	603.74	14
All-Tex Excess RR		4.6	1.06	83.2	30.0	6.8	1	76.6	8.0	31-2	0.5400	579.96	17
Paymaster 2200RR		5.0	1.04	82.0	29.2	6.1	1	75.9	8.8	31-3,31-4	0.4828	517.56	23
Holland x TW 1318	02-T-RR-24	4.9	1.01	80.2	27.6	7.1	1	73.8	9.0	31-4,41-3	0.4905	501.78	24
All-Tex 005		5.0	1.00	82.1	29.4	5.4	1	73.3	7.9	41-1,41-2	0.4668	465.40	26

Table 39 A. Cont.

Designation	Source	Micro-		Uni-		Elon- gation	Leaf		Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre		
		naire	Length	formity	Strength		Rd	+b			\$	Rank	
Hazera HA-14		3.3	1.36	83.6	35.6	5.8	2	68.7	10.1	42-1,43-1	0.4610	417.67	28
Hazera HA-175		3.6	1.28	84.1	36.6	6.6	1	69.8	9.7	42-1	0.5080	446.53	27
Stoneville 1553 R		3.7	1.10	81.2	30.9	6.2	1	76.4	8.5	31-2	0.5583	472.32	25
Mean		4.6	1.09	82.2	29.7	6.4	1	75.5	8.6		0.5100		
C.V.%		4.3	2.1	0.8	3.8	6.1	12.7	1.0	2.9		5.0		
LSD 0.05		0.3	0.04	1.1	1.9	0.7	0	1.3	0.4		0.0438		

<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.