

Table 42. Results of the irrigated nematode strains test at the AG-CARES Farm, Lamesa, TX, 2004.

Designation	Source	Yield	Agronomic Properties								% Open		Nematodes ^{1/}
			% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm	
			Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	09-27-04	Resistance	
TW 1318xTW 1320	03T#TT-26	1583	26.1	44.2	34.7	28.1	5.6	11.1	6.2	31.7	71	3.3	605
Stoneville 5599 BR		1474	28.2	43.5	37.0	29.8	5.8	10.6	6.5	32.7	73	2.3	3465
Stoneville 4575 BR		1419	28.8	44.7	37.3	29.2	5.3	9.9	6.2	31.5	67	1.8	7800
Deltapine 488 BG/RR		1412	29.4	44.1	35.5	29.4	5.5	10.2	5.9	33.2	60	2.5	5460
Stoneville NG2448 R		1325	24.8	47.5	34.8	27.5	5.6	11.0	6.2	32.0	87	3.5	6375
Acala NemX	Check	1308	25.9	43.8	35.5	27.4	5.8	12.6	7.4	28.0	72	2.3	1080
Stoneville 5242 BR	03T#TT-28	1272	28.9	44.0	38.4	29.4	5.2	11.1	7.2	27.6	75	1.9	4160
(CA 3066xM-315)x(CA 1056xM-92)		1244	22.2	45.7	35.1	26.9	5.3	12.3	7.0	26.9	60	2.6	920
Stoneville 3664 R		1211	26.7	45.2	36.1	28.6	5.3	10.4	6.2	30.7	77	3.7	4825
PhytoGen 410 R		1205	26.0	44.7	35.1	27.1	4.5	9.9	5.7	27.5	64	1.8	4690
Deltapine 494 RR		1204	27.7	45.7	38.5	30.7	5.1	9.9	6.5	30.1	61	2.4	8630
Deltapine 449 BG/RR	1189	25.4	44.5	35.5	28.4	4.3	9.6	5.6	27.0	59	2.2	2825	
Stoneville 6636 BR	1189	27.3	45.6	36.5	28.4	4.7	9.5	5.8	29.7	61	1.7	4445	
Hazera 195	1183	22.5	44.7	34.1	25.1	3.9	11.9	6.7	19.8	66	0.7	5160	
Stoneville NG1553 R	1174	25.1	49.3	33.2	29.1	5.0	11.3	5.9	28.3	93	3.1	5190	
Stoneville 4686 R	1127	24.8	42.1	36.2	28.6	4.9	10.1	6.0	29.1	65	2.2	3270	
Stoneville x5454B2R	1118	26.1	47.1	35.6	27.1	4.9	9.7	5.6	30.6	67	2.5	9125	
Beltwide Cotton Genetics 28 R	1111	24.7	42.7	36.1	28.8	4.5	9.0	5.3	30.1	75	2.3	5820	
Paymaster 2145 RR	Check	1094	26.0	47.9	34.3	27.6	5.4	10.8	6.0	31.4	75	3.7	3615
Beltwide Cotton Genetics 24 R		1086	25.7	43.0	37.8	29.7	4.5	8.8	5.6	30.7	80	2.7	5675
Stoneville x3636 B2R	1065	22.9	41.9	34.8	26.9	4.8	10.3	5.8	28.5	71	2.4	3435	
Stoneville NG3969 R	1009	23.5	46.6	35.4	27.5	4.3	9.3	5.3	28.7	75	3.8	2455	
Stoneville 6848 R	1001	23.1	43.0	37.0	28.9	4.8	9.9	6.2	28.6	60	1.6	5710	
Beltwide Cotton Genetics 30 R	902	22.0	46.5	33.0	26.4	4.7	9.3	4.8	32.6	64	2.5	7045	
Mean		1204	25.5	44.9	35.7	28.2	5.0	10.3	6.0	29.4	70	2.5	
C.V.%		11.0	3.5	4.5	1.6	3.0	4.5	2.8	4.7	4.3	13.3	13.8	
LSD 0.05		156	1.5	3.5	1.0	1.4	0.4	0.5	0.5	2.1	11	0.4	

^{1/} Number of root-knot nematodes found in 500 cm³ of soil. Samples were taken in the fall.

Table 42A. Results of the irrigated nematode strains test at the AG-CARES Farm, Lamesa, TX 2004.

Designation	Source	Micro-		Uni-		Elon-		Leaf		Color		Loan Value	Gross Loan Value per Acre	
		naire	Length	formity	Strength	gation	Index	Rd	+b	Grade ^{1/}	\$		Rank	
TW 1318xTW 1320	03T#TT-26	3.4	1.04	80.4	26.2	6.0	3	76.7	7.5	41-1	0.4923	779.31	1	
Stoneville 5599 BR		3.7	1.08	80.4	28.3	4.9	4	73.4	7.6	41-1,41-2	0.5270	776.80	2	
Stoneville 4575 BR		3.4	1.11	81.8	26.0	8.5	3	72.4	8.0	41-2,41-3	0.5183	735.47	4	
Deltapine 488 BG/RR		3.6	1.11	81.3	28.1	5.8	2	73.4	7.8	41-1,41-2	0.5290	746.95	3	
Stoneville NG2448 R		3.2	1.12	82.9	28.9	6.3	3	73.3	7.8	41-1,41-4	0.5115	677.74	5	
Acala NemX	Check	3.4	1.14	84.4	31.7	4.4	4	71.0	7.1	51-1	0.4833	632.16	8	
Stoneville 5242 BR		3.5	1.06	81.7	25.6	6.9	3	72.8	7.6	41-2	0.4953	630.02	9	
(CA 3066xM-315)x(CA 1056xM-92)	03T#TT-28	3.4	1.09	82.6	30.0	5.5	5	72.6	7.4	41-2	0.5085	632.57	7	
Stoneville 3664 R		3.4	1.03	81.8	26.2	6.4	3	72.0	8.3	41-3,41-4	0.4888	591.94	11	
PhytoGen 410 R		3.5	1.11	82.8	27.5	7.3	4	70.0	7.5	51-1,51-3	0.4798	578.16	14	
Deltapine 494 RR		3.7	1.14	81.7	29.1	5.6	3	73.3	7.2	41-2	0.5398	649.92	6	
Deltapine 449 BG/RR		3.0	1.10	81.0	27.9	5.7	3	73.0	6.5	51-1	0.4445	528.51	19	
Stoneville 6636 BR		3.8	1.14	82.0	28.4	5.0	4	72.3	7.3	41-2,51-1	0.5188	616.85	10	
Hazera 195		2.9	1.28	82.9	33.9	5.4	5	66.1	8.3	51-4,52-2	0.4113	486.57	22	
Stoneville NG1553 R		3.2	1.15	82.4	28.3	6.3	3	73.6	7.3	41-1,41-2	0.5013	588.53	12	
Stoneville 4686 R		3.2	1.10	81.4	26.6	6.5	3	72.2	7.6	41-2	0.5085	573.08	15	
Stoneville x5454B2R		3.4	1.10	81.1	27.5	6.4	3	71.9	7.8	41-2,41-4	0.5178	578.90	13	
Beltwide Cotton Genetics 28 R		3.5	1.13	80.7	27.2	5.2	4	72.5	7.2	41-2,51-1	0.5035	559.39	16	
Paymaster 2145 RR	Check	3.4	1.05	82.3	27.7	6.2	4	71.7	7.8	41-2,41-4	0.4918	538.03	18	
Beltwide Cotton Genetics 24 R		3.5	1.07	81.5	27.8	7.3	3	72.8	7.7	41-2	0.5128	556.90	17	
Stoneville x3636 B2R		3.1	1.09	79.6	25.9	5.1	4	71.6	7.5	41-2,51-1	0.4573	487.02	21	
Stoneville NG3969 R		3.1	1.13	82.2	28.7	6.2	4	72.2	7.5	41-2	0.4980	502.48	20	
Stoneville 6848 R		3.4	1.15	83.4	29.9	4.9	3	72.2	6.6	51-1	0.4825	482.98	23	
Beltwide Cotton Genetics 30 R		3.1	1.11	80.1	26.3	6.2	4	71.7	7.0	41-2,51-1	0.4748	428.27	24	
Mean		3.3	1.11	81.7	28.0	6.0	3	72.3	7.5		0.4960			
C.V.%		4.8	1.2	0.9	2.3	7.3	17.3	1.3	3.9		3.8			
LSD 0.05		0.3	0.02	1.2	1.1	0.7	1	1.6	0.5		0.0326			

^{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.