

Table 56. Results of the irrigated nematode varieties and strains test at the AG-CARES Farm, Lamesa, TX, 2006.

Designation	Source	Yield	Agronomic Properties									Storm Resistance	Nematodes*
			% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll			
			Lint	Seed	Picked	Pulled							
Stoneville 4427B2RF (tested as x0504B2RF)	Comm	1283	31.0	43.7	39.5	29.2	4.2	8.7	6.1	27.4	2.6	12,680	
Stoneville 5599BR	Comm	1269	33.8	46.2	40.5	33.2	5.0	9.5	6.8	30.0	2.9	7,973	
FiberMax 989	Comm	1187	33.0	46.5	40.1	31.6	5.1	9.9	6.9	29.4	2.9	11,920	
Stoneville 4554B2RF	Comm	1104	33.3	45.6	40.1	30.0	3.6	8.7	6.2	23.5	2.7	6,080	
Stoneville 5327B2RF(tested as x0505B2RF)	Comm	1089	31.9	41.7	41.3	30.6	4.1	8.4	6.4	26.8	2.7	3,773	
Stoneville 4357B2RF	Comm	1083	28.9	41.1	40.5	29.6	4.1	9.5	6.8	24.7	2.6	2,987	
Stoneville 5283RF (tested as x0503RF)	Comm	1081	30.4	40.4	41.4	33.8	4.5	8.4	6.3	29.6	2.5	3,867	
FiberMax 9058F	Comm	1074	32.7	43.8	41.9	32.3	4.5	9.4	7.1	26.3	3.0	21,773	
Deltapine 445 BG/RR	Comm	1041	33.5	44.0	41.4	32.2	4.5	8.8	6.6	28.5	2.7	7,733	
Stoneville 4700B2RF	Comm	1037	29.0	42.0	39.1	28.9	4.0	9.0	6.1	25.4	2.8	4,800	
TW 1318xTW 1320	04-T#-GGG-21	1010	30.8	43.4	39.7	30.3	4.7	9.6	6.7	27.9	3.0	1,987	
Phytogen 425 RF	Comm	996	30.6	44.2	38.1	28.7	3.7	8.8	5.8	24.3	2.6	4,067	
FiberMax BCSX0680B2F	Comm	985	33.7	48.1	39.3	31.3	4.4	9.2	6.3	27.4	2.9	8,480	
FiberMax x95007-80LL	Comm	959	32.1	42.2	41.8	30.3	3.6	8.7	6.5	22.9	2.7	28,453	
Deltapine 444 BG/RR	Comm	945	33.1	42.5	42.7	32.4	4.2	8.5	6.6	26.9	2.7	20,960	
FiberMax 988LLB2	Comm	943	31.5	45.6	39.0	30.1	4.5	9.6	6.4	27.1	2.9	1,773	
Phytogen 480 WR	Comm	941	30.8	46.6	37.2	28.5	3.7	8.9	5.6	24.7	2.6	6,293	
Stoneville NG3550RF	Comm	938	32.4	48.6	38.8	30.6	4.1	8.8	5.9	26.7	2.8	4,907	
All-Tex Atlas	Comm	926	29.2	46.8	36.5	27.7	4.6	9.8	5.9	28.4	3.0	8,133	
FiberMax 955LLB2	Comm	918	30.5	43.8	38.8	30.3	5.0	11.3	7.4	26.0	2.9	11,560	
Stoneville NG3273B2RF	Comm	917	29.0	44.0	39.2	28.8	4.3	8.8	6.0	28.3	2.8	4,973	
FiberMax 9068F	Comm	914	30.1	41.8	39.9	31.4	5.3	10.1	7.0	30.2	3.0	29,440	
Deltapine 455 BG/RR	Comm	912	34.4	44.8	41.7	32.7	3.8	7.6	5.7	27.8	2.7	11,880	
FiberMax x9166LLB2	Comm	908	32.6	47.7	39.8	30.6	4.5	9.4	6.5	27.8	2.9	5,173	
FiberMax 9060F	Comm	900	33.4	44.4	42.2	31.2	4.2	9.1	7.0	25.2	3.0	24,800	

Table 56A. Results of the irrigated nematode varieties and strains test at the Texas Agricultural Experiment Station, Lubbock, TX, 2006.

Designation	Source	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf			Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
							Index	Rd	+b			\$	Rank
Stoneville 4427B2RF (tested as x0504B2RF)	Comm	5.0	1.06	81.8	28.7	6.2	4	75.8	7.0	41-1,41-2	0.5023	644.45	2
Stoneville 5599BR	Comm	5.2	1.01	81.1	28.4	6.1	3	77.3	8.0	31-1,31-2	0.4835	613.56	3
FiberMax 989	Comm	4.9	1.07	81.3	32.3	6.0	3	78.9	7.4	31-1,31-2	0.5525	655.82	1
Stoneville 4554B2RF	Comm	5.2	1.04	80.8	28.8	8.4	3	77.3	7.9	31-1,31-2,41-1	0.4895	540.41	6
Stoneville 5327B2RF(tested as x0505B2RF)	Comm	5.3	1.01	80.9	29.5	7.8	4	76.4	8.0	31-2,41-1	0.4673	508.89	10
Stoneville 4357B2RF	Comm	5.1	1.05	80.6	26.2	7.6	3	78.4	7.8	31-1,31-2	0.4977	539.01	7
Stoneville 5283RF (tested as x0503RF)	Comm	5.0	1.07	81.6	29.3	7.3	4	76.2	7.6	41-1	0.5153	557.04	5
FiberMax 9058F	Comm	4.7	1.08	81.3	28.3	5.5	3	79.1	7.2	31-1,31-241-1	0.5470	587.48	4
Deltapine 445 BG/RR	Comm	4.9	1.01	81.3	29.6	7.8	3	78.8	7.7	31-1,31-2	0.4987	519.15	9
Stoneville 4700B2RF	Comm	4.9	1.07	80.9	27.5	7.5	4	77.5	7.5	31-2,41-1	0.5055	524.20	8
TW 1318xTW 1320	04-T#-GGG-21	5.1	0.95	79.2	26.8	6.8	3	78.0	8.0	31-1	0.4727	477.43	17
Phytogen 425 RF	Comm	5.3	1.03	82.6	28.8	8.7	4	75.2	7.5	41-1	0.4653	463.44	23
FiberMax BCSX0680B2F	Comm	5.1	1.04	80.7	28.6	7.2	3	78.8	7.3	31-1,31-2	0.5057	498.11	12
FiberMax x95007-80LL	Comm	5.0	1.00	80.2	28.9	6.8	3	79.3	7.1	31-2	0.4852	465.31	21
Deltapine 444 BG/RR	Comm	4.7	1.01	81.0	27.1	6.7	3	78.2	7.5	31-2,41-1	0.5097	481.67	14
FiberMax 988LLB2	Comm	5.3	1.05	80.8	31.4	5.8	3	79.3	7.3	31-1,31-2	0.5027	474.05	18
Phytogen 480 WR	Comm	5.1	1.04	82.4	30.6	7.9	4	76.1	7.3	41-1	0.4905	461.56	24
Stoneville NG3550RF	Comm	4.7	1.01	80.0	27.9	6.9	3	77.3	7.4	41-1	0.4952	464.50	22
All-Tex Atlas	Comm	4.8	0.98	81.0	30.7	6.9	3	77.2	7.7	31-2,41-1	0.4937	457.17	25
FiberMax 955LLB2	Comm	5.2	1.09	81.9	26.9	6.0	3	79.3	7.5	31-1,31-2	0.5245	481.49	15
Stoneville NG3273B2RF	Comm	4.7	1.05	81.0	27.1	7.3	3	79.3	7.4	31-1,31-2	0.5395	494.72	13
FiberMax 9068F	Comm	5.0	1.04	81.0	30.4	6.3	3	79.1	7.4	31-1,31-2	0.5123	468.24	20
Deltapine 455 BG/RR	Comm	4.8	1.03	80.1	29.7	6.4	3	78.8	7.9	31-1	0.5157	470.32	19
FiberMax x9166LLB2	Comm	4.9	1.08	81.6	30.5	6.1	3	79.9	7.2	31-1,31-2	0.5495	498.95	11
FiberMax 9060F	Comm	4.7	1.05	79.7	28.2	5.8	3	79.3	7.7	21-2,31-1,31-2	0.5333	479.97	16

Table 56A. Cont.

Designation	Source	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf			Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
							Rd	+b				\$	Rank
FiberMax BCSX2001F	Comm	5.0	1.04	79.8	29.0	6.6	3	79.3	7.5	31-1,31-2	0.5048	453.82	26
Paymaster 2326 RR	Comm	5.1	0.97	80.3	29.4	6.6	3	75.6	8.0	31-2,41-1	0.4748	424.00	31
Phytogen 485 WRF	Comm	5.2	1.05	82.7	30.8	7.9	5	74.6	7.8	41-1,41-2	0.4702	415.66	35
FiberMax BCSX2109F	Comm	4.9	1.04	79.8	27.4	5.4	4	78.1	7.4	31-2,41-1	0.5115	450.63	27
Stoneville 6565B2RF	Comm	5.3	1.06	80.8	28.4	6.0	3	77.4	7.6	31-2,41-1	0.5047	444.14	28
(CA 3066xM-315)x(CA 1056xM-92)	04-T#-GGG-22	5.2	1.03	82.2	31.3	6.0	3	77.7	7.8	31-1,31-2	0.4932	428.59	30
Phytogen 370 WR	Comm	5.4	0.99	80.5	29.6	7.3	3	77.8	8.1	31-1,31-2	0.4685	405.25	36
FiberMax 960B2	Comm	5.2	1.05	81.5	30.6	5.4	3	78.7	7.7	31-1,31-2	0.5077	433.07	29
FiberMax 958	Comm	5.1	1.02	80.5	29.4	5.5	3	79.3	7.8	31-1,31-2	0.5075	421.73	32
Stoneville 6611B2RF	Comm	5.2	1.09	82.3	29.9	6.1	3	77.9	7.2	31-2,41-1	0.5183	419.30	34
FiberMax BCSX0643B2F	Comm	5.1	1.03	80.9	29.8	5.9	3	78.6	7.7	31-1,31-2	0.4820	388.01	39
FiberMax x06724LL	Comm	5.0	1.03	80.8	29.0	5.0	3	79.2	7.1	31-1,31-2,41-1	0.5042	404.37	37
FiberMax BCSX3000B2F	Comm	5.0	1.03	81.2	28.7	6.7	3	78.6	7.5	31-2	0.5030	398.38	38
FiberMax 9063B2F	Comm	5.0	1.07	81.0	28.5	6.3	3	79.3	7.4	31-1,31-2	0.5330	419.47	33
Phytogen 745 WRF	Comm	4.6	1.03	81.1	30.1	8.0	4	76.7	7.6	31-2,41-1	0.5013	375.47	41
Acala Nemx	Comm	5.1	1.09	82.2	30.9	7.0	3	77.9	7.5	31-1,31-2,41-1	0.5242	375.85	40
FiberMax 965LLB2	Comm	5.0	1.05	81.4	30.0	5.3	3	78.9	6.9	31-2,41-1	0.5203	354.84	42
Mean		5.0	1.04	81.0	29.2	6.6	3	78.0	7.5		0.5040		
C.V.%		2.7	2.50	1.0	4.6	5.2	12.2	0.8	3.9		3.9		
LSD 0.05		0.2	0.04	1.1	1.8	0.5	1	0.9	0.4		0.0268		

^{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.

Table 56. Cont.

Designation	Source	Yield	Agronomic Properties									
			% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Storm Resistance	Nematodes*
			Lint	Seed	Picked	Pulled						
FiberMax BCSX2001F	Comm	899	32.4	44.4	40.4	30.7	4.8	9.8	7.0	27.8	3.0	15,973
Paymaster 2326 RR	Comm	893	29.7	46.4	37.1	29.7	4.4	9.1	5.7	28.7	3.0	1,867
Phytogen 485 WRF	Comm	884	29.8	43.6	37.9	28.4	3.7	8.7	5.7	24.6	2.6	1,453
FiberMax BCSX2109F	Comm	881	33.7	43.6	41.9	33.6	4.3	9.0	6.9	25.9	3.1	12,760
Stoneville 6565B2RF	Comm	880	30.3	44.6	38.5	30.1	4.5	8.1	5.3	32.6	2.6	3,720
(CA 3066xM-315)x(CA 1056xM-92)	04-T#-GGG-22	869	28.1	46.8	36.6	27.7	4.8	11.1	6.8	26.0	3.0	387
Phytogen 370 WR	Comm	865	30.4	41.1	40.6	31.1	4.2	8.7	6.3	26.8	2.6	3,947
FiberMax 960B2	Comm	853	30.7	44.9	39.2	30.2	5.0	10.1	6.8	29.1	2.9	4,213
FiberMax 958	Comm	831	30.2	41.6	41.4	31.0	4.5	9.6	7.1	26.3	3.0	11,640
Stoneville 6611B2RF	Comm	809	29.3	45.6	39.1	31.0	4.1	8.3	5.6	28.6	2.5	3,533
FiberMax BCSX0643B2F	Comm	805	30.8	41.2	40.6	30.5	4.2	8.9	6.5	26.0	2.9	8,880
FiberMax x06724LL	Comm	802	32.8	46.9	39.8	31.8	4.1	9.6	6.6	24.9	3.0	19,733
FiberMax BCSX3000B2F	Comm	792	31.6	44.8	39.6	28.9	4.7	9.8	6.8	27.4	2.9	2,787
FiberMax 9063B2F	Comm	787	30.4	43.5	39.8	30.0	4.6	10.6	7.3	25.5	2.9	2,907
Phytogen 745 WRF	Comm	749	28.0	41.2	39.3	29.1	3.8	9.0	6.2	24.0	2.6	813
Acala Nemx	Comm	717	28.6	40.2	39.1	27.7	4.5	12.5	8.5	20.7	2.7	1,280
FiberMax 965LLB2	Comm	682	30.2	45.7	38.9	30.8	4.7	10.2	6.8	26.7	2.9	3,627
Mean		937	31.2	44.2	39.8	30.4	4.4	9.3	6.5	26.8	2.8	
C.V.%		13.8	5.4	5.8	1.9	4.7	9.9	4.5	4.5	9.4	3.7	
LSD 0.05		176	2.3	3.5	1.0	1.9	0.6	0.6	0.4	3.4	0.1	

* Root-knot nematode population density on Sept. 7 measured in Eggs/500cm³ soil.