

Table 29. Results of the irrigated new variety and strains cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2002.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-02-02	Resistance
Phytogen 98M-3196	1414	30.7	41.8	41.3	31.7	5.6	10.0	7.6	30.5	75	2.3
FiberMax 958	1273	28.5	41.6	41.0	31.5	5.9	11.4	8.5	28.7	76	2.9
Texas XTX 9500 R	1193	27.7	45.7	36.8	29.3	6.3	11.9	7.2	31.9	89	3.0
Paymaster 145	1147	28.4	43.6	40.3	31.9	5.6	10.8	7.7	29.2	82	3.3
Phytogen 99M-1495	1068	25.9	41.8	37.4	28.9	4.8	10.5	6.8	26.6	78	2.4
All-Tex Atlas	1061	25.4	44.9	38.0	29.8	5.9	11.2	7.2	30.8	86	2.8
Mean	1193	27.7	43.2	39.1	30.5	5.7	11.0	7.5	29.6	81	2.8
C.V.%	10.1	6.9	2.5	2.9	3.1	4.4	1.3	4.0	4.5	11.8	4.6
LSD 0.05	149	3.8	2.2	2.3	1.9	0.5	0.3	0.6	2.7	12	0.2

Table 29A. Results of the irrigated new variety and strains cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2002.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf		Color		Loan Value	Gross Loan Value per Acre	
						Index	Rd	+b	Grade ^{1/}		\$	Rank
Phytogen 98M-3196	5.3	1.10	83.5	28.9	6.6	2	71.9	8.6	41-3	0.4875	764.74	1
FiberMax 958	5.0	1.14	82.7	31.7	4.0	3	73.6	7.6	41-1,41-2	0.5213	728.16	2
Texas XTX 9500 R	5.4	1.10	83.2	29.5	6.2	2	73.1	7.9	41-1,41-4	0.4893	596.43	3
Paymaster 145	5.2	1.06	82.8	28.7	5.0	3	71.4	7.4	41-2,51-1	0.4650	579.94	4
Phytogen 99M-1495	5.3	1.12	83.4	29.9	7.4	4	68.6	7.7	51-2,51-3	0.4700	475.18	6
All-Tex Atlas	5.0	1.09	83.6	29.5	6.9	3	73.3	8.0	41-2,41-3	0.5115	573.73	5
Mean	5.2	1.10	83.2	29.7	6.0	3	71.9	7.9		0.4910	619.70	
C.V.%	4.8	2.7	0.6	2.6	2.6	21.5	1.4	6.2		6.4	12.7	
LSD 0.05	0.5	0.06	1.1	1.5	0.3	1	2.1	1.0		0.0631	158.27	

^{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.