

Table 31. Results of the irrigated new variety and strains cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2002.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 9-26-02	Storm Resistance
		Lint	Seed	Picked	Pulled						
FiberMax 958	957	29.7	43.9	40.2	31.2	4.9	9.6	6.8	28.7	73	2.8
GENETEX X-513	887	27.0	45.9	36.6	28.3	5.8	10.9	6.6	32.0	76	3.2
Syngenta NX 00VC151	880	28.2	41.6	40.0	30.4	4.6	9.5	6.7	27.3	73	2.7
GENETEX X-512	864	27.4	45.7	37.7	29.5	5.2	9.6	6.1	31.8	87	2.8
Syngenta NX 00VC235	861	29.5	42.0	42.1	32.5	5.0	9.3	6.8	30.8	76	2.6
Texas XTX 16162 R	844	30.1	42.1	42.0	32.4	4.9	9.9	7.4	27.7	67	2.7
PhytoGen 98M-3196	843	29.0	40.3	41.6	31.6	4.5	9.1	6.9	27.0	68	2.2
Syngenta NX 2723c	843	27.5	42.3	39.5	30.1	5.5	10.3	7.0	30.7	71	3.2
GENETEX X-511	816	26.4	48.2	34.8	27.1	5.3	11.0	6.2	29.9	86	3.0
Syngenta NX 99326c	814	26.9	43.1	38.2	27.8	3.9	9.3	6.2	23.8	73	2.5
Paymaster 145	805	27.4	45.6	37.2	28.8	5.1	10.1	6.3	30.1	79	3.2
Syngenta NX 01VCB222	799	28.7	43.7	38.9	29.5	4.7	9.2	6.1	29.9	78	2.8
Bronco 1N7-547	738	24.8	47.6	35.5	27.5	5.7	11.2	6.4	31.6	82	3.3
Texas XTX 9500 R	735	26.0	45.1	36.8	28.6	5.3	10.0	6.1	32.2	80	2.9
PhytoGen 99M-1495	673	24.2	39.3	38.2	27.7	3.8	9.1	6.0	24.1	75	2.3
<b>All-Tex 211</b>	<b>577</b>	<b>28.9</b>	<b>44.5</b>	<b>39.3</b>	<b>30.6</b>	<b>5.3</b>	<b>9.7</b>	<b>6.6</b>	<b>31.3</b>	<b>67</b>	<b>3.2</b>
Mean	808	27.6	43.8	38.6	29.6	5.0	9.8	6.5	29.3	75	2.8
C.V.%	7.5	3.9	2.8	3.5	3.6	6.3	3.5	3.7	6.7	13.7	6.9
LSD 0.05	72	1.9	2.1	2.3	1.9	0.5	0.6	0.4	3.4	12	0.2

Table 31A. Results of the irrigated new variety and strains cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2002.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
FiberMax 958	4.1	1.11	80.9	29.8	3.6	2	69.6	7.9	41-4,51-3	0.5193	506.59	1
GENETEX X-513	4.5	1.05	82.8	28.1	4.7	2	68.5	8.8	42-2,51-3	0.4828	435.20	5
Syngenta NX 00VC151	3.9	1.05	80.9	26.4	6.0	2	69.7	8.9	41-4,42-2	0.5003	459.40	4
GENETEX X-512	4.5	1.04	82.8	29.1	5.4	2	67.8	8.6	51-3,52-1	0.4695	404.98	8
Syngenta NX 00VC235	3.7	1.01	80.1	25.7	6.1	2	70.7	8.6	41-4	0.4780	403.78	9
Texas XTX 16162 R	4.1	1.08	82.2	29.0	4.9	2	69.8	8.8	41-4,42-2	0.5158	425.91	6
PhytoGen 98M-3196	4.4	1.07	81.6	28.3	6.0	3	67.7	8.6	41-4,51-3	0.5085	468.31	2
Syngenta NX 2723c	3.7	1.07	81.4	27.2	5.1	2	71.0	8.6	41-3,41-4	0.5218	463.04	3
GENETEX X-511	4.2	1.08	82.4	29.4	5.0	3	67.0	8.7	52-1	0.4748	399.27	10
Syngenta NX 99326c	4.3	1.03	81.9	26.4	5.6	2	69.3	8.6	41-4	0.4795	395.09	11
Paymaster 145	4.3	1.04	82.1	28.4	4.5	2	68.3	8.7	42-2,51-3	0.4835	410.24	7
Syngenta NX 01VCB222	4.1	1.03	80.6	25.8	5.2	2	69.9	8.3	41-4,51-3	0.4848	373.78	13
Bronco 1N7-547	4.2	1.08	82.7	29.4	5.0	2	69.7	8.8	41-4,42-2	0.5158	389.08	12
Texas XTX 9500 R	4.3	1.06	81.8	28.8	5.7	2	68.9	8.9	41-4,52-1	0.4975	364.25	14
PhytoGen 99M-1495	4.3	1.11	83.1	29.8	6.7	3	65.3	8.4	51-4	0.5033	304.68	15
All-Tex 211	4.8	0.99	81.3	26.6	4.0	2	68.7	9.1	41-4,52-1	0.4595	253.62	16
Mean	4.2	1.06	81.8	28.0	5.2	2	68.9	8.6		0.4930	403.57	
C.V.%	2.9	1.1	0.9	2.8	4.5	29.2	1.7	2.2		3.2	9.7	
LSD 0.05	0.2	0.02	1.3	1.4	0.4	1	2.1	0.3		0.0273	68.67	

<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.