

Table 30. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-09-06	Resistance
Downer Genetics X1254	1679	30.2	46.7	36.0	28.4	5.0	11.3	6.7	26.8	69	2.8
FiberMax 989	1648	28.0	46.1	39.1	30.2	5.6	11.1	7.4	29.8	67	2.7
Syngenta DX 25105N	1647	30.2	43.8	39.9	31.3	5.6	10.6	7.4	30.2	81	2.9
FiberMax 958	1589	28.1	43.3	39.8	31.5	5.8	11.1	7.7	30.2	83	2.9
H&W Genetex 532	1570	29.2	45.4	36.6	25.8	5.8	13.2	8.0	26.5	77	2.8
Downer Genetics X1256	1538	28.1	46.9	39.5	32.0	6.9	12.7	8.8	31.3	72	3.1
Dyna-Gro 06064 B2RF	1504	27.4	38.3	36.0	27.7	5.6	10.7	6.3	31.4	79	2.8
Syngenta DX 241203-9	1481	27.3	45.4	37.7	29.1	5.6	11.4	7.1	29.4	80	2.6
Bronco 141	1465	27.1	45.5	36.4	29.5	5.5	12.4	7.4	27.4	87	3.2
Syngenta DX 241203-16	1438	28.5	45.5	39.0	31.4	6.0	11.2	7.7	30.1	82	2.7
Downer Genetics X1255	1383	26.7	44.6	39.1	30.8	6.4	12.0	8.1	30.8	82	3.1
Downer Genetics X1173	1342	30.7	44.9	38.4	31.9	5.4	11.6	7.5	27.7	87	3.0
Syngenta DX 34902-3	1331	26.2	41.4	37.0	27.7	5.2	11.9	7.2	26.5	80	2.7
H&W Genetex 534	1276	26.9	47.9	34.8	26.1	5.9	12.6	7.0	29.2	89	2.7
Syngenta DX 44708	1233	24.0	44.2	39.0	30.7	5.5	11.4	7.6	28.4	84	2.9
Mean	1475	27.9	44.6	37.9	29.6	5.7	11.7	7.4	29.0	80	2.8
C.V.%	8.5	6.5	7.1	2.4	4.9	7.3	3.8	4.5	8.9	11.9	2.3
LSD 0.05	148	3.2	5.6	1.6	2.5	0.7	0.8	0.6	4.6	11	0.1

Table 30A. Results of the irrigated new variety and strains test at the Texas Agricultural Experiment Station, Halfway, TX, 2006.

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
Downer Genetics X1254	3.8	1.13	82.3	26.4	7.9	3	81.2	7.4	21-1,31-1	0.5615	942.76	1
FiberMax 989	3.2	1.18	81.0	27.5	7.0	3	82.0	7.1	21-2,31-1	0.5330	878.38	4
Syngenta DX 25105N	3.8	1.13	82.6	25.2	8.2	3	80.0	7.7	21-2,31-1	0.5705	939.61	2
FiberMax 958	3.6	1.19	82.9	30.5	6.9	3	80.5	6.6	31-1,41-1	0.5473	869.66	5
H&W Genetex 532	4.1	1.13	83.0	29.4	7.7	3	82.1	7.7	21-1	0.5758	904.01	3
Downer Genetics X1256	3.8	1.18	81.6	29.1	7.0	3	80.3	6.7	31-1,41-1	0.5605	862.05	6
Dyna-Gro 06064 B2RF	3.3	1.16	81.9	24.9	8.4	3	81.8	7.2	21-2,31-1	0.5400	812.16	9
Syngenta DX 241203-9	3.7	1.21	82.0	27.2	7.7	3	82.0	7.1	21-1,31-1	0.5763	853.50	7
Bronco 141	4.2	1.24	83.7	29.0	7.2	2	80.8	7.4	31-1	0.5803	850.14	8
Syngenta DX 241203-16	4.2	1.15	82.5	29.1	7.0	3	80.5	6.7	31-1,41-1	0.5583	802.84	10
Downer Genetics X1255	3.2	1.18	81.2	28.1	7.6	3	79.6	6.7	31-1,41-1	0.5245	725.38	12
Downer Genetics X1173	3.5	1.13	80.6	24.8	8.0	3	81.6	7.8	21-1,31-1	0.5530	742.13	11
Syngenta DX 34902-3	3.3	1.17	82.4	27.8	7.3	3	80.9	7.1	21-1,41-1	0.5380	716.08	13
H&W Genetex 534	4.5	1.19	82.2	29.8	7.2	3	79.2	6.3	41-1	0.5463	697.08	14
Syngenta DX 44708	3.4	1.17	82.6	27.5	7.7	3	80.8	7.0	31-1,31-2	0.5558	685.30	15
Mean	3.7	1.17	82.2	27.7	7.5	3	80.9	7.1		0.5550		
C.V.%	10.8	2.6	1.4	6.0	6.0	18.5	1.3	7.7		5.6		
LSD 0.05	0.7	0.05	2.0	3.0	0.8	1	2.6	1.0		0.0551		

<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.