

Table 30. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 11-04-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Deltapine X05V048 BR	1404	26.0	44.7	36.9	27.5	5.3	10.7	6.3	30.8	69	2.9
PhytoGen 03X2078	1361	26.0	46.4	35.5	27.6	5.4	11.5	6.6	28.9	69	2.6
Syngenta DX241203-9	1336	26.2	43.9	38.5	28.5	5.4	10.9	7.1	29.3	45	2.7
FiberMax 958	1249	26.1	40.0	39.6	30.9	6.0	11.3	7.6	31.3	60	2.9
PhytoGen 03X2022	1243	24.5	42.7	36.6	27.8	5.0	10.8	6.5	28.2	74	2.7
PhytoGen 03X2002	1241	24.2	43.6	36.8	27.8	6.1	12.1	7.4	30.3	64	3.0
PhytoGen 03X2018	1236	25.1	45.8	36.6	28.5	5.6	11.8	7.1	28.7	60	2.6
Syngenta DX 14319-4	1233	26.3	43.2	37.6	29.0	5.0	10.1	6.2	30.1	82	3.4
PhytoGen 03X2067	1198	24.6	42.9	36.8	27.9	5.6	11.2	6.8	30.4	61	2.8
H&W 530	1191	22.5	46.0	33.7	24.5	5.9	13.7	7.3	27.4	73	2.6
Syngenta DX241203-16	1187	25.8	43.8	38.9	29.5	5.4	10.4	6.8	30.7	45	2.7
PhytoGen 03X2066	1180	23.3	42.0	36.7	28.8	5.0	11.1	6.6	27.7	68	2.9
H&W 527	1179	21.6	45.6	33.8	26.0	6.4	14.2	7.4	29.5	80	2.7
PhytoGen 03X2019	1170	24.7	40.7	38.1	30.4	5.5	11.0	7.1	29.8	66	2.6
H&W 525	1169	22.8	45.1	33.8	24.9	6.2	13.6	7.2	29.1	68	2.7
Hazera 72-05	1149	23.1	40.7	35.8	30.0	5.2	13.7	8.3	22.8	46	2.5
H&W 528	1130	20.8	41.5	34.2	25.2	5.9	13.2	7.0	28.8	48	2.8
PhytoGen 03X2004	1130	22.0	43.4	35.4	26.5	4.9	10.5	5.9	29.5	60	2.8
H&W 524	1118	22.5	48.2	32.7	24.6	6.3	14.2	7.1	28.7	61	2.8
H&W 526	1091	20.1	40.9	34.5	25.7	6.2	13.4	7.3	29.2	55	2.8
H&W 523	1087	20.4	43.3	33.7	24.1	6.6	13.8	7.2	30.6	51	2.9
PhytoGen 03X2046	1059	24.6	41.3	39.6	30.3	4.8	10.4	7.0	27.4	66	2.5
Hazera 14-05	1018	21.6	44.1	33.7	26.0	5.1	12.5	6.8	25.3	39	2.6
H&W 519-2	999	22.9	47.5	33.6	26.1	7.5	13.7	7.2	35.0	57	2.8
H&W 529	995	22.1	41.3	35.2	25.4	5.9	13.0	7.4	28.2	66	2.8

Table 30. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll	Seed	Lint	Seed Per	Bolls	Storm
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10-18-05	Resistance
Hazera 195-05	981	21.4	37.4	36.3	29.2	4.4	12.8	8.0	20.3	35	2.4
PhytoGen 03X2048	965	24.9	44.3	37.0	27.6	5.1	10.6	6.5	29.0	49	2.6
Hazera YD03-335	953	23.5	48.3	34.0	24.9	5.6	11.6	6.1	31.6	39	3.9
Hazera YD02-11	847	18.5	43.9	30.9	21.4	3.9	13.6	6.4	18.7	24	2.3
Hazera YD03-315	583	20.0	47.4	31.6	25.0	6.2	12.6	6.0	32.9	46	3.1
Mean	1123	23.2	43.6	35.6	27.0	5.6	12.1	6.9	25.6	57	2.8
C.V.%	7.8	5.7	5.4	2.3	4.0	7.1	3.9	4.6	6.3	24.0	4.9
LSD 0.05	103	2.3	4.0	1.4	1.8	0.7	0.8	0.5	3.1	16	0.2

Table 30A. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Halfway, TX, 2005.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Deltapine X05V048 BR	3.2	1.13	80.9	26.1	8.1	2	82.3	7.4	21-1,21-2	0.5408	759.28	2
PhytoGen 03X2078	4.0	1.12	83.2	26.9	7.9	4	76.7	8.2	31-2,31-4	0.5600	762.16	1
Syngenta DX241203-9	3.0	1.18	81.4	27.6	6.2	2	76.8	8.6	21-1,41-3	0.5100	681.36	5
FiberMax 958	3.3	1.16	81.8	28.2	6.0	2	80.1	8.4	21-1,21-2	0.5500	686.95	4
PhytoGen 03X2022	3.5	1.11	81.8	25.8	7.4	3	77.4	8.4	31-1	0.5668	704.53	3
PhytoGen 03X2002	3.6	1.07	82.5	24.5	11.5	2	75.6	8.7	31-4	0.5403	670.51	7
PhytoGen 03X2018	3.4	1.09	81.0	25.8	7.0	2	76.4	9.6	21-4,22-2	0.5190	641.48	12
Syngenta DX 14319-4	3.2	1.10	81.7	26.0	7.8	1	79.6	8.5	21-1,21-2	0.5435	670.14	8
PhytoGen 03X2067	3.4	1.14	82.6	26.3	7.6	2	77.8	8.9	21-4,31-1	0.5578	668.24	9
H&W 530	3.3	1.13	83.8	27.9	6.2	3	75.9	8.6	31-2,31-3	0.5518	657.19	10
Syngenta DX241203-16	3.4	1.17	81.2	27.8	6.9	2	78.1	9.0	21-2,21-4	0.5680	674.22	6
PhytoGen 03X2066	3.2	1.07	80.3	25.6	7.3	1	79.2	8.8	21-1,21-2	0.5285	623.63	15
H&W 527	3.5	1.16	83.3	31.1	5.9	3	75.9	8.1	31-2,41-1	0.5518	650.57	11
PhytoGen 03X2019	3.5	1.07	80.3	26.1	6.2	2	76.6	9.0	31-3	0.5340	624.78	14
H&W 525	3.2	1.20	83.6	28.3	6.6	3	79.2	8.3	21-2,31-1	0.5395	630.68	13
Hazera 72-05	3.8	1.25	83.2	32.0	8.4	5	59.3	10.8	53-4,63-3	0.4460	512.45	24
H&W 528	3.3	1.11	82.3	28.5	6.9	2	76.1	8.6	31-1,31-4	0.5315	600.60	18
PhytoGen 03X2004	3.0	1.14	81.5	25.8	7.0	2	74.7	9.4	22-2,41-1	0.4878	551.21	22
H&W 524	3.3	1.17	82.7	28.2	6.6	2	78.6	8.7	21-4,31-1	0.5570	622.73	16
H&W 526	3.5	1.16	85.0	29.4	5.2	2	76.8	8.9	31-1,31-3	0.5653	616.74	17
H&W 523	3.0	1.19	83.8	27.4	8.9	2	79.7	8.6	21-1,21-2	0.5305	576.65	20
PhytoGen 03X2046	3.2	1.15	82.2	26.7	6.6	2	73.7	10.4	21-4,33-1	0.5000	529.50	23
Hazera 14-05	3.1	1.30	82.7	31.5	8.0	5	65.2	11.1	43-2,43-4	0.4238	431.43	27
H&W 519-2	3.7	1.12	82.4	28.2	6.3	2	79.4	9.0	21-1,21-3	0.5785	577.92	19
H&W 529	3.7	1.16	85.5	31.0	6.5	3	76.4	8.4	31-1,31-4	0.5775	574.61	21

Table 30A. Cont.

Designation	Micro- naire	Length	Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade ^{1/}	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Hazera 195-05	3.3	1.24	83.3	32.5	7.5	5	64.5	10.8	43-4,53-1	0.4288	420.65	28
PhytoGen 03X2048	3.1	1.11	82.7	26.0	8.5	3	72.8	10.5	32-1,33-1	0.4683	451.91	25
Hazera YD03-335	3.1	1.05	81.1	24.7	9.0	2	74.9	9.6	31-1,32-1	0.4725	450.29	26
Hazera YD02-11	2.9	1.30	82.8	32.7	7.5	2	70.2	12.0	23-4,33-3	0.4368	369.97	29
Hazera YD03-315	2.7	1.17	82.2	28.0	7.5	2	75.4	10.1	21-4,22-2	0.4985	290.63	30
Mean	3.3	1.15	82.4	27.9	7.3	2	75.5	9.2		0.5220		
C.V.%	6.0	2.0	0.8	2.5	5.0	31.7	2.4	6.8		5.3		
LSD 0.05	0.3	0.04	1.2	1.2	0.6	1	3.1	1.1		0.0473		

^{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.