

Table 34. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Pecos, TX, 2005.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-20-05	Storm Resistance
		Lint	Seed	Picked	Pulled						
Hazera 14-05	658	26.6	42.5	36.0	27.4	3.4	9.5	6.1	20.3	68	2.6
Deltapine 494 RR	597	32.0	42.3	42.1	32.4	3.7	7.9	5.7	25.2	69	2.8
Hazera 195-05	589	24.2	36.0	37.5	25.1	3.4	9.2	6.3	20.0	54	2.5
PhytoGen 03x2067	584	29.7	44.1	38.9	29.2	4.1	9.3	6.2	25.4	79	2.7
Deltapine 455 BG/RR	567	31.5	39.8	42.6	32.1	3.2	6.9	5.5	24.8	79	2.9
Hazera 72-05	549	28.6	44.4	36.5	29.4	4.0	9.8	6.5	22.6	67	2.6
Deltapine 454 BG/RR	544	30.8	40.2	40.2	31.6	3.2	6.8	5.4	24.0	79	2.6
FiberMax 989	540	30.4	41.8	41.5	32.3	4.2	8.5	6.3	27.6	66	2.8
Deltapine 515 BG/RR (tested as x04Y170 BR)	533	32.3	41.8	42.2	31.7	3.5	7.0	5.5	26.6	63	2.9
PhytoGen 03x2019	519	30.6	45.1	39.0	29.4	3.7	8.7	5.9	24.2	81	2.8
PhytoGen 03x2048	494	29.3	42.4	39.6	29.9	3.3	7.7	5.5	23.9	68	2.7
Deltapine 543 BGII/RR	488	30.1	43.3	40.5	31.0	3.0	6.6	4.9	24.9	70	2.9
Deltapine x03X179 R	481	33.7	41.1	44.1	35.6	3.8	7.8	6.4	26.0	69	2.9
Hazera YD02-11	469	23.5	42.5	32.3	22.9	3.1	11.1	5.7	17.7	56	2.5
PhytoGen 03x2002	468	27.3	41.3	38.1	30.3	3.9	8.6	5.7	26.1	75	3.0
PhytoGen 03x2046	465	27.3	38.8	41.4	30.7	3.5	7.9	6.0	24.0	64	2.8
PhytoGen 03x2004	450	27.7	42.7	37.7	28.8	3.6	8.4	5.5	24.8	75	2.7
PhytoGen 03x2018	443	28.0	41.3	40.0	29.1	3.7	8.4	6.0	25.0	62	2.7
Acala 1517-99	439	28.8	43.4	37.9	30.2	4.1	8.8	5.8	27.0	68	2.6
PhytoGen 03x2022	436	29.4	44.2	39.2	28.9	3.4	8.6	6.0	22.5	84	2.8
PhytoGen 03x2078	416	27.6	44.3	38.4	28.2	3.3	8.2	5.4	23.6	69	2.7
Hazera HA195	359	27.0	44.4	37.5	25.4	2.9	9.6	6.2	17.6	45	2.5
Deltapine x05X648 DR	343	30.2	40.3	42.5	32.1	3.3	7.0	5.5	25.2	62	2.9
PhytoGen 03x2066	332	26.4	42.3	38.4	29.3	3.8	9.2	6.0	24.1	72	2.9
Hazera YD02-76	281	21.5	38.8	35.0	23.3	3.0	9.9	5.7	18.4	34	2.5
Mean	482	28.6	41.9	39.1	29.4	3.5	8.4	5.8	23.6	67	2.7
C.V.%	16.5	6.7	6.1	1.9	3.7	8.3	4.7	5.1	6.7	18.6	3.4
LSD 0.05	94	3.4	4.4	1.3	1.8	0.5	0.7	0.5	2.7	15	0.1

Table 34A. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Pecos, TX, 2005.

Designation	Micro-		Uni-		Elon- gation	Leaf		Color		Loan Value	Gross Loan Value per Acre	
	naire	Length	formity	Strength		Rd	+b	Grade <sup>1/</sup>	\$		Rank	
Hazera 14-05	3.8	1.25	80.8	34.1	6.7	5	64.8	9.6	52-1	0.4705	309.59	2
Deltapine 494 RR	4.2	1.07	79.7	29.9	4.8	2	75.8	8.4	31-3,41-1	0.5350	319.40	1
Hazera 195-05	3.5	1.19	79.8	34.5	5.0	5	65.8	9.5	42-2,52-2	0.4688	276.12	6
PhytoGen 03x2067	4.5	1.02	80.4	25.5	6.5	2	77.9	9.1	21-2,21-4	0.5045	294.63	3
Deltapine 455 BG/RR	3.9	1.01	78.0	25.3	4.7	2	77.8	9.6	21-3,21-4	0.5020	284.63	5
Hazera 72-05	4.1	1.21	81.2	36.2	6.1	5	64.4	9.9	53-1	0.4505	247.32	14
Deltapine 454 BG/RR	3.6	0.98	77.8	23.5	4.9	4	72.1	8.3	31-1,51-3	0.4463	242.79	17
FiberMax 989	4.1	1.05	79.9	27.8	4.0	1	78.3	8.6	21-2,31-1	0.5433	293.38	4
Deltapine 515 BG/RR (tested as x04Y170 BR)	4.2	1.02	79.2	25.0	4.3	2	78.6	8.0	31-1	0.4960	264.37	7
PhytoGen 03x2019	4.6	0.99	78.6	24.4	4.7	2	77.3	8.8	31-1,31-3	0.4925	255.61	10
PhytoGen 03x2048	4.1	1.05	81.6	25.5	6.5	4	75.4	8.7	31-3,31-4	0.5195	256.63	9
Deltapine 543 BGII/RR	3.8	1.05	78.2	25.4	4.1	2	80.0	7.8	21-2,31-1	0.5223	254.88	11
Deltapine x03X179 R	4.6	1.06	80.0	25.9	4.8	1	79.0	8.8	21-1,21-2	0.5408	260.12	8
Hazera YD02-11	3.3	1.24	81.5	36.0	5.6	2	73.6	10.7	22-2	0.5245	245.99	15
PhytoGen 03x2002	4.0	1.06	80.0	27.5	7.3	2	76.1	9.4	21-4,31-4	0.5330	249.44	12
PhytoGen 03x2046	4.3	1.05	80.4	26.5	4.4	3	76.1	9.1	31-3	0.5288	245.89	16
PhytoGen 03x2004	3.8	1.04	77.5	24.4	5.4	3	73.9	8.7	31-4,41-3	0.4968	223.56	18
PhytoGen 03x2018	4.4	1.00	79.4	25.0	4.9	1	78.0	9.3	21-2,21-4	0.4875	215.96	20
Acala 1517-99	3.8	1.11	79.9	28.8	4.7	2	77.6	8.5	31-1,31-3	0.5678	249.26	13
PhytoGen 03x2022	4.4	1.02	78.7	23.8	4.9	2	74.5	9.2	31-3,31-4	0.5008	218.35	19
PhytoGen 03x2078	4.5	1.03	81.6	27.9	5.2	3	74.8	8.4	31-4,41-3	0.5010	208.42	21
Hazera HA195	3.4	1.21	80.7	36.2	5.4	2	74.5	10.5	22-2	0.5413	194.33	22
Deltapine x05X648 DR	3.7	1.00	77.9	21.9	3.9	2	80.1	7.9	21-2	0.4743	162.68	23
PhytoGen 03x2066	3.8	0.98	78.6	24.5	5.2	1	77.5	9.1	21-4,31-3	0.4843	160.79	24
Hazera YD02-76	3.2	1.23	81.6	36.5	5.3	1	73.7	11.1	22-1,23-2	0.4938	138.76	25
Mean	4.0	1.08	79.7	28.0	5.1	2	75.1	9.1		0.5050		
C.V.%	4.6	3.0	1.2	5.9	8.3	31.2	2.1	3.6		4.4		
LSD 0.05	0.3	0.05	1.6	2.8	0.7	1	2.7	0.6		0.0384		

<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.