

Table 27. Results of the irrigated new varieties and strains cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2003.

Designation	Yield	Agronomic Properties								% Open 10-22-03	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
FiberMax 958	1017	26.7	41.6	39.1	29.0	5.3	9.8	6.5	31.8	56	2.7
Hazera HA 1405	966	24.3	42.9	34.4	25.3	4.9	12.1	7.0	23.9	25	2.3
Hazera HA 72-05	952	22.7	40.5	34.4	26.6	4.9	12.2	7.0	24.1	53	2.3
Syngenta NX 24722	951	25.2	42.2	37.3	28.2	5.2	9.8	6.2	31.0	42	2.5
Hazera HA 175-142	899	20.7	46.1	30.1	22.3	4.0	11.6	5.5	22.3	61	2.3
Deltapine 432 RR	898	24.5	42.9	37.3	27.4	4.4	9.3	5.8	28.7	42	2.7
Syngenta NX 14319	890	26.1	49.5	34.5	25.3	5.3	10.6	5.9	30.7	55	2.9
Hazera HA-72-66	872	20.6	45.6	31.8	23.6	4.7	12.9	6.4	23.2	31	2.3
Hazera HA 14-66	863	20.5	47.4	31.4	23.0	4.3	12.9	6.3	21.3	20	2.2
Hazera HA 278-08	854	22.1	44.6	36.1	26.0	4.3	12.6	7.5	20.7	42	2.0
Syngenta NX 24101	802	23.0	45.3	34.0	26.6	5.0	9.7	5.3	32.5	35	2.6
Deltapine X 00w12	800	24.1	41.2	40.0	29.8	5.3	10.3	7.1	30.1	37	2.4
Hazera HA 14-1004	777	19.1	43.4	32.1	22.5	3.9	12.5	6.3	19.6	32	2.0
FiberMax 5035LL	763	23.3	43.2	33.8	23.9	4.5	9.3	5.1	29.5	57	2.8
Hazera HA 6-1004	700	19.0	41.8	31.2	23.7	4.6	13.7	6.7	21.4	24	2.2
Hazera HA 34-05	686	22.1	39.3	34.3	24.9	5.4	12.9	7.4	25.0	19	2.4
Hazera HA 34-1004	639	19.9	40.9	32.5	22.0	5.0	13.9	7.1	22.8	21	2.3
Deltapine 434 RR	594	24.3	43.3	37.7	27.7	5.4	10.2	6.5	31.2	36	2.6
Mean	829	22.6	43.4	34.5	25.4	4.8	11.4	6.4	26.1	38	2.4
C.V.%	10.4	4.3	3.8	3.5	4.2	3.5	3.1	5.6	4.4	37.5	8.5
LSD 0.05	102	1.7	2.8	2.1	1.9	0.3	0.6	0.4	2.0	17	0.2

Table 27A. Results of the irrigated new varieties and strains cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2003.

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	3.4	1.15	82.7	30.2	4.7	1	78.8	8.3	21-2,31-1	0.5425	551.72	1
Hazera HA 1405	3.6	1.26	82.2	33.2	8.3	3	63.5	10.3	53-1	0.4550	439.53	4
Hazera HA 72-05	3.6	1.26	82.5	32.3	7.0	4	63.9	10.4	43-4,53-2	0.4400	418.88	8
Syngenta NX 24722	3.3	1.13	81.6	29.4	6.3	1	77.2	8.4	31-1,31-2	0.5230	497.37	3
Hazera HA 175-142	3.3	1.25	81.4	34.4	6.5	2	69.9	10.2	33-2,42-2	0.4840	435.12	6
Deltapine 432 RR	3.6	1.12	82.6	26.7	8.9	1	77.0	9.1	21-4,31-3	0.5543	497.76	2
Syngenta NX 14319	2.8	1.20	80.0	26.8	6.5	1	79.5	8.5	21-2	0.4918	437.70	5
Hazera HA-72-66	2.9	1.36	83.0	30.9	6.8	3	69.8	10.7	33-2,43-1	0.4288	373.91	12
Hazera HA 14-66	2.7	1.40	83.1	30.0	7.3	1	71.9	11.1	33-1	0.4080	352.10	14
Hazera HA 278-08	3.1	1.34	83.1	33.8	6.7	1	71.7	11.0	33-1	0.4530	386.86	10
Syngenta NX 24101	3.3	1.13	82.7	29.2	7.3	1	78.4	8.6	21-2	0.5320	426.66	7
Deltapine X 00w12	3.2	1.09	80.9	25.4	8.2	1	75.4	9.4	21-4,32-2	0.4785	382.80	11
Hazera HA 14-1004	3.2	1.38	83.6	32.1	7.2	2	70.6	11.0	33-2	0.4580	355.87	13
FiberMax 5035LL	3.3	1.07	82.9	26.6	9.6	2	78.4	8.5	21-2,31-1	0.5113	390.12	9
Hazera HA 6-1004	3.1	1.24	82.8	30.3	5.8	2	70.7	11.2	33-1,33-2	0.4533	317.31	16
Hazera HA 34-05	2.8	1.20	80.4	30.8	7.3	2	69.6	11.4	33-2	0.4230	290.18	17
Hazera HA 34-1004	3.0	1.23	81.6	30.5	7.1	1	71.8	11.2	23-2,33-1	0.4448	284.23	18
Deltapine 434 RR	3.6	1.11	79.9	25.4	8.0	1	78.7	8.6	21-2	0.5395	320.46	15
Mean	3.2	1.22	82.0	29.9	7.2	2	73.1	9.9		0.4790		
C.V.%	8.3	5.1	1.6	4.9	7.2	34.5	1.4	4.1		6.2		
LSD 0.05	0.5	0.11	2.3	2.6	0.9	1	1.8	0.9		0.0512		

<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.