

Table 29. Results of the irrigated new varieties and strains cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2003.

Designation	Yield	Agronomic Properties								% Open 10-01-03	Storm Resistance
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll		
		Lint	Seed	Picked	Pulled						
Hazera HA 14-05	1360	25.7	46.8	34.6	27.3	5.1	12.2	7.0	25.5	58	2.3
Hazera HA 72-05	1341	24.6	43.2	32.7	24.5	4.3	12.8	7.1	19.9	68	2.3
Syngenta NX 241203	1325	28.6	44.9	37.1	28.6	5.7	11.6	7.4	28.7	62	2.8
Deltapine X 00w12	1212	28.2	41.6	38.8	29.2	5.1	10.7	7.2	27.6	52	2.5
Deltapine 444 BG/RR	1196	30.0	44.3	40.7	31.2	4.9	10.7	7.7	26.0	69	2.7
FiberMax 958	1191	28.0	43.4	39.0	29.7	5.5	11.3	7.7	27.8	71	3.0
Hazera HA 14-1004	1162	20.8	47.1	28.2	21.2	4.3	14.6	6.2	19.4	40	2.2
Hazera HA 14-66	1125	21.4	48.3	31.0	24.6	4.4	13.8	6.7	20.0	42	2.2
Syngenta NX 14319	1089	26.7	46.9	36.1	27.8	5.3	11.4	6.8	27.7	65	3.0
Hazera HA 278-08	1084	22.3	45.8	32.1	24.3	4.5	13.9	7.0	20.5	55	2.0
Syngenta NX 24519	1071	28.8	47.8	36.6	28.4	5.7	12.4	7.5	27.7	45	3.0
Hazera HA 72-66	1060	21.2	47.8	29.5	22.6	4.9	15.2	6.9	21.1	48	2.2
Syngenta NX 24722	1055	28.1	42.8	37.9	28.9	5.0	11.0	7.1	26.8	50	2.7
Deltapine 488 BG/RR	1047	28.8	45.0	36.8	28.9	5.2	10.2	6.4	29.9	37	2.9
Hazera HA 34-05	1030	24.3	44.4	32.9	24.5	5.2	13.3	7.3	23.3	47	2.6
Deltapine 494 RR	1020	29.5	44.2	38.2	29.8	5.1	10.7	6.9	28.0	36	2.9
GENETEX HW-516 RR	1010	27.0	49.2	34.0	26.2	5.8	12.6	6.9	28.6	56	2.9
Syngenta NX 24101	1001	26.3	46.6	35.8	28.6	5.3	10.4	6.1	30.9	65	2.9
Deltapine 434 RR	984	29.4	42.4	38.7	29.3	5.1	10.4	6.9	28.3	54	3.1
Hazera HA 6-1004	959	19.1	45.6	28.1	20.5	4.5	15.5	6.6	18.9	42	2.1
Deltapine 432 RR	955	27.7	44.3	37.8	28.7	4.9	10.8	7.0	26.2	49	2.9
Hazera HA 175-142	950	20.2	45.4	31.6	23.0	3.9	14.2	7.0	17.7	67	2.1
FiberMax 5035 LL	942	23.8	44.7	32.3	24.0	4.8	10.9	5.6	27.5	69	2.8
Paymaster 2266 RR	938	25.9	46.4	33.6	26.3	6.3	12.7	6.8	30.9	75	2.9
Hazera HA 34-1004	927	22.0	47.0	30.7	22.3	4.9	16.1	7.5	20.1	38	2.3

Table 29. Cont.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-01-03	Storm Resistance
		Lint	Seed	Picked	Pulled						
GENETEX HW-514 RR	882	26.8	48.1	36.3	28.1	5.5	12.1	7.3	27.3	83	2.7
Paymaster 183	868	27.0	46.7	35.8	27.3	5.5	11.1	6.6	30.0	71	3.1
GENETEX HW-519 RR	795	24.9	46.8	31.9	24.3	6.1	14.1	7.1	27.8	79	2.3
Mean	1056	25.6	45.6	34.6	26.4	5.1	12.3	6.9	25.5	57	2.6
C.V.%	9.4	4.3	2.8	3.2	4.5	4.4	3.6	4.1	3.8	21.3	6.9
LSD 0.05	116	1.9	2.1	1.9	2.0	0.4	0.8	0.5	1.6	14	0.2

Table 29A. Results of the irrigated new varieties and strains cotton variety test at the Texas Agricultural Experiment Station, Lubbock, TX, 2003.

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 HA 14-05	4.5	1.29	83.3	35.4	7.5	3	63.7	10.5	53-1	0.4573	621.93	5
Hazera HA 72-05	4.8	1.28	83.9	35.5	7.0	4	60.6	10.1	53-2,63-1	0.4485	601.44	8
Syngenta NX 241203	4.7	1.19	83.9	31.5	5.1	1	78.3	8.1	31-1,31-2	0.5635	746.64	1
Deltapine X 00w12	4.8	1.14	83.5	30.1	7.5	1	76.9	9.3	21-4,31-3	0.5628	682.11	2
Deltapine 444 BG/RR	4.7	1.12	82.9	28.5	5.8	1	76.8	8.9	31-3	0.5508	658.76	3
FiberMax 958	5.1	1.13	82.7	33.0	3.9	1	77.9	8.3	31-1	0.5240	624.08	4
Hazera HA 14-1004	4.0	1.40	85.2	35.3	7.4	1	72.0	10.8	32-1,33-1	0.5215	605.98	7
Hazera HA 14-66	3.3	1.43	86.0	32.9	7.8	1	71.3	10.9	32-1,33-2	0.4925	554.06	13
Syngenta NX 14319	4.0	1.20	81.6	28.2	6.5	1	76.7	8.4	31-1,31-2	0.5580	607.66	6
Hazera HA 278-08	4.0	1.38	85.7	37.5	6.5	1	71.3	10.4	32-1,42-1	0.5328	577.56	10
Syngenta NX 24519	5.3	1.11	82.4	29.4	6.5	1	76.9	8.8	31-1,31-3	0.5090	545.14	15
Hazera HA 72-66	3.5	1.43	85.6	33.2	7.0	2	69.9	10.9	33-1,43-1	0.4778	506.47	18
Syngenta NX 24722	4.7	1.14	83.0	33.0	5.6	1	77.4	8.6	21-2,31-1	0.5668	597.97	9
Deltapine 488 BG/RR	4.9	1.15	82.2	30.4	5.8	1	75.8	8.7	31-3,31-4	0.5418	567.26	11
Hazera HA 34-05	3.7	1.29	83.2	37.6	7.0	2	65.6	11.0	43-2,43-4	0.4708	484.92	24
Deltapine 494 RR	4.7	1.14	81.4	31.0	5.9	1	75.4	8.9	31-4	0.5560	567.12	12
GENETEX HW-516 RR	5.2	1.11	83.3	30.0	5.4	1	76.5	8.7	31-1,31-4	0.5303	535.60	16
Syngenta NX 24101	4.9	1.15	84.2	32.4	6.0	1	73.4	8.1	31-2,51-3	0.5168	517.32	17
Deltapine 434 RR	4.7	1.16	83.0	27.7	6.9	1	77.6	8.5	31-1	0.5563	547.40	14
Hazera HA 6-1004	3.8	1.40	85.9	35.2	6.0	1	70.1	10.6	32-2,43-1	0.5103	489.38	23
Deltapine 432 RR	5.0	1.11	82.9	28.1	7.7	1	74.4	9.4	31-4,32-1	0.5233	499.75	21
Hazera HA 175-142	4.1	1.28	83.5	37.9	5.7	2	70.5	9.7	42-1	0.5180	492.10	22
FiberMax 5035 LL	4.5	1.07	83.6	30.4	8.8	2	74.9	8.4	31-4,41-1	0.5345	503.50	20
Paymaster 2266 RR	5.0	1.11	84.6	30.5	7.5	1	74.9	8.3	31-2,41-3	0.5368	503.52	19
Hazera HA 34-1004	3.5	1.37	84.9	37.1	7.0	2	71.0	10.8	32-1,33-2	0.5105	473.23	25

Table 29A. 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
GENETEX HW-514 RR	5.3	1.08	83.7	29.2	6.1	1	74.6	8.5	31-4,41-3	0.4963	437.74	26
Paymaster 183	5.4	0.98	82.8	29.2	6.1	1	75.6	9.2	31-3	0.4468	387.82	28
GENETEX HW-519 RR	5.1	1.11	83.3	32.4	4.9	2	73.3	7.9	41-2,41-3	0.5093	404.89	27
Mean	4.5	1.21	83.6	32.2	6.4	1	73.3	9.3		0.5190		
C.V.%	3.2	3.7	1.1	2.4	4.6	25.9	1.9	2.9		4.1		
LSD 0.05	0.2	0.08	1.6	1.3	0.5	1	2.4	0.5		0.0362		

^{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.