

Table 30. Results of the irrigated new varieties and strains test at the Texas Agricultural Experiment Station, Halfway, TX, 2004.

Designation	Yield	Agronomic Properties								% Open	
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-31-04	Storm Resistance
		Lint	Seed	Picked	Pulled						
Syngenta 2412 03	1042	27.0	41.2	38.9	31.1	5.3	10.7	7.1	28.9	66	2.3
H&W Genetex 522	889	23.6	41.4	37.0	29.7	5.2	11.1	6.8	28.6	75	2.5
H&W Genetex 518-1	886	24.3	46.2	35.6	29.1	5.7	11.8	6.8	29.9	72	2.2
FiberMax 958	873	25.7	40.2	39.2	31.1	5.0	10.7	7.2	27.6	67	2.7
Syngenta DX 0204c	850	22.7	43.7	33.0	28.4	5.2	10.8	5.6	30.6	69	3.7
Beltwide Cotton Genetics P0304 B	845	23.8	42.3	36.5	30.9	4.4	9.7	5.7	27.7	47	3.1
H&W Genetex 521	822	21.7	39.8	33.7	27.3	5.8	12.8	6.8	28.8	75	2.4
H&W Genetex 514-2	821	21.9	46.7	31.9	25.7	6.0	12.6	6.1	30.8	75	3.2
Hazera 14-05	814	20.9	37.4	36.0	30.2	5.4	12.5	7.4	26.0	53	2.2
H&W Genetex 519 RR	800	21.2	44.6	31.5	26.0	6.1	13.8	6.6	29.3	71	2.7
H&W Genetex 512-9	792	23.0	42.9	34.5	29.1	5.7	11.0	6.0	32.5	72	2.8
Hazera 1837	774	23.3	43.0	35.0	29.6	5.3	11.0	6.2	29.8	63	3.2
H&W Genetex 519-2	764	22.1	48.6	31.0	25.2	6.8	14.4	6.7	30.8	66	2.8
Hazera 195	737	21.7	40.0	35.7	27.4	4.0	12.4	7.3	19.7	51	1.4
Hazera 14-D4	728	23.5	42.7	35.8	26.7	4.9	10.9	6.4	27.4	68	2.2
Hazera YD 02-11	725	18.2	39.7	31.9	27.0	4.3	14.1	7.0	19.7	45	1.3
Hazera YD03-335	681	22.8	44.8	32.6	27.2	5.6	11.2	5.7	31.9	73	3.6
Hazera YD 02-76	668	19.8	39.6	34.9	28.1	4.8	13.0	7.4	22.8	40	1.7
Hazera 231-D4	621	21.0	41.3	34.2	27.8	5.7	12.3	6.7	29.5	46	2.5
Hazera 244-D4	520	18.1	35.8	34.7	27.5	6.0	13.0	7.2	28.9	54	2.5
<u>Hazera YD03-315</u>	<u>444</u>	<u>19.7</u>	<u>42.3</u>	<u>32.3</u>	<u>26.2</u>	<u>6.0</u>	<u>12.4</u>	<u>6.2</u>	<u>31.2</u>	<u>41</u>	<u>2.9</u>
Mean	766	22.2	42.1	34.5	28.1	5.4	12.0	6.6	28.2	61	2.6
C.V.%	7.7	4.3	3.8	2.2	4.2	8.4	4.7	4.7	8.4	22.4	13.4
LSD 0.05	70	1.7	2.8	1.3	0.2	0.8	1.0	0.5	4.0	16	4.0

Table 30A. Results of the irrigated new varieties and strains at the Texas Agricultural Experiment Station, Halfway, TX, 2004.

Designation	Micro-		Uni-	Strength	Elon-	Leaf		Color	Loan	Gross Loan Value per Acre		
	naire	Length				formity	gation			Index	Rd	+b
Syngenta 2412 03	3.8	1.10	81.3	29.2	6.3	2	72.2	9.4	41-3,42-1	0.5195	541.32	1
H&W Genetex 522	3.8	1.10	82.8	28.1	6.7	3	69.3	10.3	42-1,43-1	0.4835	429.83	6
H&W Genetex 518-1	3.9	1.12	81.6	29.7	5.0	3	70.8	9.1	41-4,42-1	0.5248	464.97	2
FiberMax 958	3.7	1.11	82.5	27.8	5.6	3	71.0	9.2	41-4,42-1	0.5198	453.79	3
Syngenta DX 0204c	3.0	1.15	80.5	27.3	6.4	2	71.1	9.9	32-2,42-1	0.4785	406.72	10
Beltwide Cotton Genetics P0304 B	3.4	1.08	80.8	25.3	5.8	2	73.1	10.6	23-4,31-3	0.4873	411.77	8
H&W Genetex 521	3.8	1.14	82.8	30.1	4.7	3	71.2	9.0	41-3,42-2	0.5253	431.80	5
H&W Genetex 514-2	3.9	1.09	82.7	28.8	6.4	4	71.2	8.8	41-3,41-4	0.5355	439.65	4
Hazera 14-05	3.7	1.24	84.1	33.8	7.5	5	60.3	12.7	44-2,54-1	0.4518	367.77	12
H&W Genetex 519 RR	3.6	1.12	82.6	28.9	5.7	3	70.7	9.1	41-4,42-1	0.5210	416.80	7
H&W Genetex 512-9	3.4	1.05	81.3	27.2	6.7	4	69.8	8.9	41-4,42-2	0.4895	387.68	11
Hazera 1837	3.6	1.02	81.8	24.7	7.9	3	69.7	10.6	32-2,43-1	0.4673	361.69	13
H&W Genetex 519-2	3.8	1.10	82.7	28.8	6.0	4	70.6	8.7	41-4	0.5370	410.27	9
Hazera 195	3.4	1.24	84.1	34.7	6.7	5	64.7	12.0	43-4,44-1	0.4383	323.03	15
Hazera 14-D4	3.7	1.07	81.7	26.3	8.7	3	67.8	11.4	33-4,43-1	0.4758	346.38	14
Hazera YD 02-11	3.3	1.27	82.8	34.1	7.0	4	62.8	12.6	44-1,44-2	0.4315	312.84	16
Hazera YD03-335	3.5	1.01	79.9	25.5	7.8	2	67.3	11.8	33-4,43-3	0.4488	305.63	18
Hazera YD 02-76	3.3	1.25	83.5	33.5	7.3	5	64.2	11.4	43-4	0.4335	289.58	19
Hazera 231-D4	3.8	1.09	83.0	26.5	7.4	3	68.7	11.1	32-2,43-3	0.4965	308.33	17
Hazera 244-D4	3.7	1.08	81.7	25.5	7.1	3	66.1	12.0	43-1,44-1	0.4528	235.46	20
Hazera YD03-315	3.4	1.08	81.9	28.4	6.7	3	70.7	9.5	41-4,42-1	0.4938	219.25	21
Mean	3.6	1.12	82.2	28.8	6.6	3	68.7	10.3		0.4830		
C.V.%	5.2	1.5	0.8	2.3	9.7	18.8	2.4	6.9		4.6		
LSD 0.05	0.3	0.03	1.1	1.1	1.0	1	2.8	1.2		0.0389		

<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.