

Table 40. Results of the irrigated verticillium wilt cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2004.

Designation	Yield	Agronomic Properties								% Open		Average Number
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-19-04	Storm Resistance	Susceptible Plants <sup>1/</sup>
		Lint	Seed	Picked	Pulled							
Stoneville NG2448 R	932	26.2	48.1	35.0	26.5	5.0	10.2	5.7	30.6	91	3.3	21.3
FiberMax 989 BR	864	25.3	41.8	37.9	29.2	5.0	10.2	6.5	29.1	56	2.1	12.8
FiberMax 960 BR	862	27.3	42.2	38.3	30.4	5.4	10.1	6.7	31.3	62	1.7	9.8
FiberMax 960 RR	836	27.6	43.5	38.2	29.2	5.2	10.8	7.0	28.2	57	2.6	10.8
Stoneville 5303 R	834	25.8	40.5	38.9	29.3	4.7	9.7	6.5	28.2	54	1.3	17.0
Syngenta 241203	830	25.5	41.7	38.4	29.0	4.8	10.1	6.6	27.6	64	1.0	17.3
FiberMax 989 RR	808	25.0	38.1	38.7	29.8	5.0	9.3	6.2	31.0	53	1.3	13.0
Beltwide Cotton Genetics 520 RR	766	23.7	46.7	33.0	26.3	5.5	11.3	5.8	31.3	82	2.6	12.8
Stoneville 4575 BR	736	27.5	41.9	38.3	28.7	4.3	9.3	6.1	27.2	72	1.2	10.3
Stoneville 3664 R	694	27.4	43.5	37.6	29.7	4.8	9.4	6.1	29.8	87	3.3	15.8
Paymaster HS 26	688	22.2	44.4	34.3	25.8	5.5	10.6	5.9	32.7	77	2.7	17.3
Beltwide Cotton Genetics 50 R	686	21.9	45.8	33.3	25.6	4.8	9.6	5.0	31.8	76	2.7	18.0
Hazera 195	663	18.2	32.9	35.2	24.7	3.5	11.7	7.0	17.7	46	0.5	3.5
Stoneville x3636 B2R	601	23.0	40.4	35.5	27.1	4.6	10.3	6.0	27.2	60	1.9	7.5
Syngenta 0204c	581	23.2	47.2	32.2	25.1	4.4	9.5	4.8	29.1	83	3.5	21.5
Lankart 57	571	21.7	48.1	32.8	25.0	5.4	11.6	5.9	29.8	84	2.9	39.3
Stoneville 6848 R	560	23.5	41.1	36.4	28.4	4.2	9.1	5.5	27.0	63	0.7	12.5
PhytoGen 410 R	557	23.2	41.2	35.0	27.1	4.5	9.9	5.7	27.8	69	1.2	21.0
Stoneville 4686 R	548	25.1	41.1	39.1	29.6	3.9	8.9	6.1	25.0	65	1.4	17.0
Stoneville 6636 BR	542	23.5	40.3	37.2	28.0	3.9	8.5	5.3	27.6	56	1.0	14.3
<b>Stoneville x5454 B2R</b>	<b>496</b>	<b>22.6</b>	<b>43.7</b>	<b>35.3</b>	<b>27.4</b>	<b>4.5</b>	<b>9.3</b>	<b>5.3</b>	<b>30.0</b>	<b>70</b>	<b>2.5</b>	<b>14.3</b>
Mean	698	24.2	45.6	36.2	27.7	4.7	9.9	6.0	28.6	68	2.0	
C.V.%	9.0	4.9	4.3	2.7	3.1	5.5	6.1	6.9	5.7	17.5	17.6	
LSD 0.05	74	2.0	3.2	1.7	1.5	0.4	1.0	0.7	2.8	14	0.4	

<sup>1/</sup> Average number of plants exhibiting verticillium wilt symptoms per plot in August.

Table 40A. Results of the irrigated verticillium wilt cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2004.

Designation	Micro-		Uni- formity	Strength	Elon- gation	Leaf Index	Rd	+b	Color Grade <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
	naire	Length									\$	Rank
Stoneville NG2448 R	3.0	1.08	82.3	28.5	7.1	3	72.1	8.1	41-4	0.4988	464.88	1
FiberMax 989 BR	2.9	1.05	78.5	28.1	5.4	3	76.1	7.1	41-1,41-2	0.4393	379.56	7
FiberMax 960 BR	3.2	1.05	81.4	29.0	5.0	3	73.2	6.7	41-2,51-1	0.4570	393.93	6
FiberMax 960 RR	3.0	1.08	79.6	27.6	4.8	3	73.3	7.2	41-2	0.4885	408.39	3
Stoneville 5303 R	3.4	1.03	80.8	28.1	6.1	2	73.6	7.9	41-1,41-4	0.4800	400.32	4
Syngenta 241203	3.2	1.11	81.5	28.7	5.5	3	74.7	7.3	41-1,41-2	0.5015	416.24	2
FiberMax 989 RR	3.0	1.07	80.6	28.4	5.4	3	75.1	7.4	41-1	0.4923	397.78	5
Beltwide Cotton Genetics 520 RR	3.2	1.07	81.7	27.8	7.3	2	73.4	8.1	41-1,41-3	0.4860	372.28	8
Stoneville 4575 BR	3.4	1.06	80.3	25.4	9.6	3	72.8	8.8	41-3	0.4968	365.64	9
Stoneville 3664 R	3.2	0.99	80.2	25.2	6.3	3	72.6	8.7	41-3	0.4433	307.65	12
Paymaster HS 26	3.2	1.05	81.7	28.3	7.6	4	72.6	7.5	41-2	0.4790	329.55	10
Beltwide Cotton Genetics 50 R	3.0	1.05	81.2	27.4	6.7	3	74.2	7.3	41-1,41-2	0.4590	314.87	11
Hazera 195	3.0	1.20	82.3	33.1	6.3	3	69.4	10.9	33-2,43-1	0.4300	285.09	13
Stoneville x3636 B2R	2.9	1.01	78.7	24.0	5.3	3	73.6	8.6	31-4,41-4	0.4333	260.41	16
Syngenta 0204c	2.4	1.13	77.8	24.8	6.4	3	73.6	7.8	41-1,41-4	0.4125	239.66	19
Lankart 57	2.6	1.08	79.6	25.4	6.4	3	74.2	7.9	41-1	0.4388	250.55	18
Stoneville 6848 R	3.2	1.07	79.9	28.6	6.1	3	71.7	7.9	41-2,41-4	0.4928	275.97	14
PhytoGen 410 R	3.1	1.07	80.0	27.5	6.9	4	70.2	7.9	51-3,41-4	0.4675	260.40	17
Stoneville 4686 R	2.9	1.03	78.5	25.5	6.0	1	74.1	8.7	31-4,41-3	0.4370	239.48	20
Stoneville 6636 BR	3.1	1.09	81.1	28.5	6.0	3	73.2	7.8	41-2	0.4923	266.83	15
Stoneville x5454 B2R	2.9	1.04	80.1	26.7	6.8	3	74.1	8.2	41-1,41-3	0.4303	213.43	21
Mean	3.0	1.07	80.4	27.4	6.3	3	73.2	8.0		0.4650		
C.V.%	5.4	1.3	1.0	2.9	9.8	23.7	1.4	4.3		3.3		
LSD 0.05	0.3	0.02	1.4	1.4	1.1	1	1.7	0.6		0.0265		

<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.