

Table 37. Results of the irrigated verticillium wilt cotton variety test at the Texas Agricultural Experiment Station, Halfway, TX, 2003.

Designation	Yield	Agronomic Properties								% Open		Percent Susceptibility <sup>1/</sup>
		% Turnout		% Lint		Boll Size	Seed Index	Lint Index	Seed Per Boll	Bolls 10-22-03	Storm Resistance	
		Lint	Seed	Picked	Pulled							
Stoneville 2448 R	967	24.9	43.2	36.4	26.8	5.4	10.1	6.2	31.6	76	3.0	26
Stoneville 5242 BR	881	26.7	42.4	37.5	26.8	4.9	9.6	6.3	29.1	69	2.3	49
Stoneville 1553 R	623	20.5	44.1	33.0	24.8	4.7	9.8	5.1	30.5	75	2.7	53
Stoneville 4646 B2R	600	25.1	40.9	39.9	29.0	5.0	9.6	6.6	30.2	51	2.3	50
Stoneville 5303 R	580	23.0	38.9	37.7	28.0	4.7	9.7	6.2	28.6	46	2.5	56
Beltwide Cotton Genetics 28	558	22.7	42.7	34.3	25.2	3.9	8.1	4.4	29.4	58	2.4	59
Syngenta NX 24722	498	20.9	37.8	35.3	24.3	4.4	9.4	5.6	27.3	48	2.3	40
Stoneville 3990 BR	490	21.3	38.4	33.6	24.8	4.9	10.7	5.9	27.7	57	2.3	61
Syngenta NX 24101	484	19.2	42.8	33.0	24.8	5.1	10.1	5.2	31.8	65	2.6	40
Beltwide Cotton Genetics 24	454	22.4	41.9	33.6	24.1	3.7	7.7	4.3	29.5	62	2.5	70
Lankart 57	327	18.9	40.7	33.0	22.3	4.6	10.5	5.6	27.1	74	3.0	57
Syngenta NX 24519	268	18.3	37.3	32.9	23.1	4.4	9.0	4.7	31.0	41	2.6	63
Mean	561	22.0	40.9	35.0	25.3	4.6	9.5	5.5	29.5	60	2.5	52
C.V.%	22.9	5.4	3.2	4.1	5.1	6.3	5.8	5.1	7.0	19.3	7.8	35.2
LSD 0.05	154	2.1	2.3	2.6	2.3	0.5	1.0	0.5	3.7	14	0.2	22

<sup>1/</sup> Percentage of plants exhibiting vascular discoloration.

Table 37A. Results of the irrigated verticillium wilt 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 <sup>1/</sup>	Loan Value	Gross Loan Value per Acre	
											\$	Rank
Stoneville 2448 R	3.2	1.08	83.3	30.8	7.0	1	78.2	8.1	31-1	0.5200	502.84	1
Stoneville 5242 BR	3.1	1.04	81.5	25.2	7.8	1	78.3	8.5	21-2,31-1	0.4588	404.20	2
Stoneville 1553 R	2.5	1.14	81.8	27.8	7.1	1	79.1	7.6	31-1,31-2	0.4540	282.84	3
Stoneville 4646 B2R	2.9	1.04	81.3	26.2	7.7	1	78.4	8.8	21-1,31-1	0.4535	272.10	4
Stoneville 5303 R	2.8	1.04	80.4	28.5	6.5	1	78.2	8.7	21-2,31-1	0.4520	262.16	6
Beltwide Cotton Genetics 28	2.7	1.10	80.6	27.1	6.0	1	78.2	8.5	21-2,31-1	0.4700	262.26	5
Syngenta NX 24722	2.6	1.11	80.7	29.4	6.4	1	78.9	8.4	21-2,31-1	0.4668	232.47	7
Stoneville 3990 BR	2.6	1.03	80.7	24.3	7.7	1	77.5	8.4	31-1,31-2	0.3948	193.45	9
Syngenta NX 24101	2.7	1.13	82.1	28.6	6.5	2	76.3	7.6	31-2,41-1	0.4643	224.72	8
Beltwide Cotton Genetics 24	2.4	1.05	79.7	25.6	8.1	1	78.1	8.3	31-1	0.3965	180.01	10
Lankart 57	2.5	1.10	80.6	25.8	7.2	1	78.8	7.8	31-1	0.4425	144.70	11
Syngenta NX 24519	2.6	1.06	81.6	26.7	7.4	1	78.8	8.1	21-2,31-1	0.4368	117.06	12
Mean	2.7	1.07	81.2	27.1	7.1	1	78.2	8.2		0.4510		
C.V.%	6.1	1.5	1.0	4.0	4.7	19.6	1.4	2.1		4.9		
LSD 0.05	0.3	0.03	1.4	2.0	0.6	0	1.9	0.3		0.0398		

<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.