

2005 Texas High Plains Cotton Variety Ratings for Verticillium Wilt

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Verticillium Wilt Trials

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Verticillium wilt trial at Muleshoe

Variety	Lbs of lint/acre	% Lint	\$ Loan value	(\$ (Loan value x yield) – seed + tech fees/acre	% Plants with wilt on Aug. 25 (rank)
Paymaster 2167RR	909 ab	0.282	0.503	430.59 a	33 c-g
FiberMax 960BR	917 a	0.252	0.507	420.09 a	24 efg
FiberMax 989B2R	861 abc	0.250	0.539	419.49 a	25 efg
Paymaster 2326RR	803 a-d	0.231	0.537	404.16 ab	18 g
NexGen 2448R	814 a-d	0.274	0.525	397.47 ab	32 c-g
NexGen 1553R	788 bcd	0.262	0.530	387.97 abc	28 d-g
FiberMax 960B2R	771 c-f	0.251	0.506	344.94 bcd	40 a-e
FiberMax 989BR	774 cde	0.269	0.500	342.01 b-e	33 c-g
Paymaster 2280BR	704 d-g	0.257	0.517	325.45 cde	25 e-g
FiberMax 989RR	654 efg	0.238	0.539	316.64 def	39 b-f
Paymaster 2266RR	656 efg	0.218	0.522	315.49 def	34 b-f
All-Tex AtlasRR	643 fg	0.252	0.511	303.12 d-g	32 c-g
Paymaster 2145RR	687 d-g	0.247	0.480	302.91 d-g	35 b-f
Paymaster 2379RR	593 gh	0.228	0.514	277.75 e-h	24 fg
FiberMax 960RR	609 gh	0.250	0.475	253.05 f-i	37 b-f
FiberMax 5045BR	608 gh	0.251	0.469	246.75 ghi	36 b-f
All-Tex ExcessRR	511 hij	0.222	0.504	232.50 hij	39 b-f
Stoneville 4793R	498 h-k	0.256	0.495	210.41 ijk	56 a
AFD 3511R	435 jkl	0.226	0.543	209.44 ijk	39 b-f
DeltaPine 444BR	579 ghi	0.255	0.443	207.99 ijk	25 efg
All-Tex PatriotRR	454 i-l	0.205	0.510	206.17 ijk	44 abc
DeltaPine 432RR	493 h-k	0.231	0.486	200.53 ijk	40 a-f
BCG 50R	391 j-m	0.217	0.510	169.43 jkl	39 b-f
Americot 262R	388 j-m	0.237	0.497	167.86 kl	42 a-d
DeltaPine 434RR	376 klm	0.247	0.494	146.70 klm	34 b-g
Phytogen 310R	347 lm	0.248	0.494	130.00 lm	42 a-d
All-Tex XpressRR	270 m	0.199	0.489	106.89 lm	42 a-d
BCG 28R	277 m	0.213	0.440	89.28 m	50 ab

Variety ^a	Micro-naire ^b	Length	Unifor-mity	Strength	Elonga-tion	% Reflect-ance	degree of yellowness	Leaf grade
Paymaster 2167RR	3.8 a	1.01 m	82.2 bc	27.1 d-i	7.1 bc	79.7 h-n	8.3 b-f	1.5
FiberMax 960BR	2.9 cd	1.08 c-f	81.2 c-g	28.8 a-d	4.8 klm	82.3 ab	7.6 f-j	1.5
FiberMax 989B2R	3.5 abc	1.11 a	80.7 f-i	27.3 c-i	4.9 j-m	82.3 ab	7.9 c-i	1.5
Paymaster 2326RR	3.7 ab	1.05 g-j	83.4 a	27.8 b-g	7.0 c	79.6 i-n	8.6 b-e	2.0
NexGen 2448R	3.5 abc	1.05 h-k	81.6 c-f	29.0 abc	6.3 ef	80.7 d-i	8.0 c-i	2.0
NexGen 1553R	3.1 a-d	1.10 abc	81.0 d-h	28.7 a-d	6.3 ef	81.2 b-g	8.0 c-i	1.0
FiberMax 960B2R	2.9 bcd	1.10 ab	79.7 i-l	28.2 a-g	4.5 m	82.7 a	7.5 g-j	2.0
FiberMax 989BR	3.1 a-d	1.08 c-f	79.4 kl	25.9 h-k	5.1 jkl	81.6 a-f	9.9 j	2.0
Paymaster 2280BR	3.1 a-d	1.10 abc	80.7 f-i	29.8 a	6.1 efg	80.6 e-j	8.1 b-h	2.0
FiberMax 989RR	3.2 a-d	1.09 a-d	80.2 g-k	27.8 b-g	5.3 ijk	81.5 a-f	8.2 b-h	1.5
Paymaster 2266RR	3.3 a-d	1.07 d-g	82.1 bcd	28.3 a-g	7.0 c	78.5 mno	7.8 e-i	2.5
All-Tex Atlas RR	3.4 abc	1.05 h-k	81.5 c-f	27.5 b-h	6.2 efg	80.3 f-k	7.9 d-i	2.0
Paymaster 2145RR	3.1 a-d	1.03 klm	80.7 f-i	28.0 a-g	6.3 ef	77.9 o	7.6 f-j	2.5
Paymaster 2379RR	3.2 a-d	1.08 c-f	82.8 ab	28.4 a-f	7.6 ab	80.0 g-l	8.1 b-h	1.5
FiberMax 960RR	2.6 d	1.10 abc	79.9 h-l	28.3 a-g	4.6 lm	82.1 a-d	7.4 hij	1.5
FiberMax 5045BR	2.9 bcd	1.04 i-l	80.6 f-j	28.6 a-d	7.0 cd	80.9 c-i	8.1 b-h	1.5
All-Tex Excess RR	3.2 a-d	1.06 e-h	81.7 c-f	28.5 a-e	7.0 c	80.5 e-j	7.7 f-i	2.0
Stoneville 4793R	3.6 abc	1.02 lm	80.9 e-h	25.6 ijk	6.0 fgh	78.8 l-o	9.3 a	1.5
AFD 3511R	3.6 abc	1.06 f-i	82.0 b-e	28.5 a-e	5.5 hij	79.2 j-o	8.0 c-i	2.0
DeltaPine 444BR	2.9 cd	1.04 h-k	80.7 f-i	24.8 k	6.4 def	81.0 b-i	8.3 b-g	2.0
All-Tex Patriot RR	2.9 cd	1.08 b-e	80.3 g-k	25.1 jk	6.4 ef	82.2 abc	7.9 d-i	1.5
DeltaPine 432RR	3.0 bcd	1.05 g-j	81.6 c-f	26.6 f-j	7.9 a	78.4 no	8.7 abc	3.0
BCG 50R	3.1 a-d	1.06 e-h	80.3 g-k	27.7 b-h	6.4 ef	79.9 g-m	8.3 b-f	1.0
Americot 262R	3.0 b-d	1.04 h-k	80.1 h-l	26.5 g-k	6.2 efg	80.5 e-j	8.8 ab	2.0
DeltaPine 434RR	2.9 bcd	1.08 b-e	79.5 kl	25.6 ijk	6.6 cde	81.8 a-e	7.9 d-i	1.5
Phytogen 310R	3.4 abc	1.02 jkl	79.4 kl	25.1 jk	5.9 fgh	79.8 g-n	8.5 b-e	2.0
All-Tex XpressRR	3.1 a-d	1.06 f-i	81.8 b-e	29.2 ab	5.7 ghi	78.9 k-o	7.3 ij	2.5
BCG 28R	2.9 cd	1.04 i-l	79.0 l	24.7 k	5.2 i-l	80.2 f-k	8.6 a-e	1.0

^aBCG=Beltwide Cotton Genetics

^bDifferent letters after a number indicate that the values are significantly (P=0.05) different from each other.

Olton Verticillium wilt Test

Variety	lbs of Lint/a	% Lint	\$ Loan value	\$ value/acre (loan value x yield) – seed - tech fee - Temik 15G	% Wilt on 8/31
FiberMax 960 B2R	1,102 a	28.9	0.523	474.42 a	37
Paymaster 2167 RR	1,010 abc	27.8	0.486	473.78 a	38
FiberMax 989 RR	1,072 ab	28.8	0.510	453.57 ab	42
Paymaster 2379 RR	980 bc	24.8	0.513	451.79 ab	40
DeltaPine 444 BR	949 cd	27.0	0.494	408.66 bc	34
NexGen 1553 R	859 def	23.7	0.505	407.36 bc	39
FiberMax 960 RR	915 cde	27.9	0.481	389.19 c	35
Paymaster 2266 RR	830 ef	24.4	0.521	380.45 c	37
Paymaster 2280 BR	951 cd	25.2	0.485	380.01 c	38
NexGen 2448 R	837 ef	26.2	0.509	377.65 c	40
NexGen 3969 R	768 fg	24.9	0.505	312.12 d	44
DeltaPine 432 RR	803 f	25.3	0.470	308.90 d	40
DeltaPine 434 RR	770 fg	28.1	0.490	308.45 d	42
Paymaster 2145 RR	812 ef	25.6	0.457	294.13 de	39
FiberMax 5045 BR	754 fg	25.8	0.480	279.00 de	48
Phytogen 310 R	687 g	26.0	0.479	251.37 e	40

Variety	Micro-naire	Length	Uniformity	Strength	Elonga-tion	% Reflect-ance	degree of yellow-ness	Leaf Grade
FiberMax 960 B2R	2.90 b-e	1.15 a	81.0 bc	29.7 a	4.3 i	81 a	7.2 fg	2.3 bcd
Paymaster 2167 RR	3.30 a	1.02 e	81.6 abc	27.3 fg	7.3 b	79 b-e	7.8 a-d	2.3 bcd
FiberMax 989 RR	2.85 cde	1.12 bc	81.6 abc	29.6 a	5.1 h	81 a	7.5 c-f	2.0 cd
Paymaster 2379 RR	3.10 abc	1.07 d	82.5 ab	27.9 d-g	7.5 ab	79 a-d	7.9 abc	1.8 d
DeltaPine 444 BR	2.70 de	1.11 c	81.6 abc	27.5 fg	6.0 g	79 a-d	7.6 b-e	2.8 bcd
NexGen 1553 R	2.78 de	1.14 ab	81.9 ab	28.6 b-e	6.6 cde	80 abc	7.3 ef	2.8 bcd
FiberMax 960 RR	2.68 e	1.12 bc	80.2 c	29.2 ab	4.4 i	80 a-d	7.2 ef	2.3 bcd
Paymaster 2266 RR	3.15 ab	1.10 c	82.7 a	28.6 b-e	6.8 c	78 def	7.4 ef	3.0 bc
Paymaster 2280 BR	2.80 de	1.11 c	82.0 ab	29.1 abc	6.3 ef	78 c-f	7.6 c-f	3.0 bc
NexGen 2448 R	2.98 bcd	1.10 c	82.9 a	29.4 ab	6.1 fg	79 a-d	7.6 c-f	2.5 bcd
NexGen 3969 R	2.78 de	1.12 c	81.6 abc	28.7 bcd	6.3 def	81 a	7.4 def	2.0 cd
DeltaPine 432 RR	2.80 de	1.07 d	81.5 abc	27.0 g	7.8 a	77 ef	8.1 a	3.3 ab
DeltaPine 434 RR	2.75 de	1.11 c	80.3 c	26.0 h	6.6 cd	80 abc	7.6 c-f	2.0 cd
Paymaster 2145 RR	2.93 b-e	1.06 d	82.4 ab	28.2 c-f	6.6 cde	76 f	6.8 g	4.3 a
FiberMax 5045 BR	2.78 de	1.07 d	82.4 ab	28.2 c-f	7.2 b	81 ab	8.0 ab	1.8 d
Phytogen 310 R	2.75 de	1.08 d	81.1 bc	27.7 efg	6.4 def	78 c-f	7.8 a-d	3.0 bc

*Different letters indicates that the trait was significantly different (P = 0.05) between varieties based on the Waller-Duncan k-ratio t-test.

Verticillium wilt at Lamesa

Variety	lbs of Lint/a	% Lint	(\$) Loan value	(Loan value x Yield) – seed cost – Tech fee	% Wilt on 8/8/05
FiberMax 989 B2R	1,863 a ^a	28.7	0.530	944.16 a	15.3 c-e
FiberMax 960 BR	1,744 ab	26.4	0.522	866.22 ab	14.1 de
Paymaster 2379 RR	1,747 ab	26.9	0.503	851.27 abc	16.6 b-e
FiberMax 960 B2R	1,578 bcd	27.3	0.534	797.74 bcd	16.0 b-e
FiberMax 960 RR	1,607 bc	27.7	0.515	791.12 bcd	13.0 e
NexGen 2448 R	1,454 c-g	25.0	0.548	767.43 b-e	30.8 a-e
FiberMax 989 RR	1,556 b-e	30.6	0.506	751.02 c-f	17.9 b-e
Deltapine 455 BR	1,490 c-g	25.9	0.522	725.75 d-g	27.5 a-e
Paymaster 2266 RR	1,528 b-e	27.7	0.492	725.18 d-g	19.6 b-e
Deltapine 5690 RR	1,515 c-f	31.6	0.501	723.51 d-h	30.4 a-e
Americot 262 R	1,380 d-i	30.4	0.517	688.88 d-i	35.3 a-e
Deltapine 494 RR	1,303 f-j	29.0	0.548	674.69 e-i	28.3 a-e
Deltapine 555 BR	1,457 c-g	32.5	0.495	671.53 e-i	32.2 a-e
All-Tex Atlas RR	1,449 c-g	28.7	0.479	669.47 e-i	19.9 b-e
FiberMax 989 BR	1,439 c-g	26.6	0.496	667.99 e-i	21.9 b-e
PhytoGen 470 WR	1,372 d-i	27.9	0.508	647.22 f-j	20.8 b-e
Stoneville 5303 R	1,420 c-h	25.0	0.481	647.10 f-j	33.7 a-e
Deltapine 5415 RR	1,372 d-i	30.9	0.483	627.23 g-k	35.9 a-d
Stoneville 5242 BR	1,421 c-h	30.8	0.475	626.27 g-k	23.3 b-e
Stoneville 4575 BR	1,338 e-j	30.9	0.495	614.38 h-k	48.0 a
PhytoGen 410 R	1,221 h-k	26.7	0.531	609.46 ijk	26.0 a-e
Beltwide Cotton Genetics 28R	1,283 g-j	31.3	0.501	609.46 ijk	34.7 a-e
Deltapine 444 BR	1,307 f-j	28.2	0.501	606.19 ijk	25.5 a-e
Deltapine 488 BR	1,295 f-j	30.0	0.499	598.95 ijk	38.7 ab
AFD 3602 R	1,172 i-l	28.8	0.527	587.77 ijk	35.9 a-d
Deltapine 449 BR	1,278 g-j	26.0	0.491	580.12 ijk	38.2 ab
Stoneville 4686 R	1,170 i-l	28.3	0.496	540.18 jkl	28.5 a-e
NexGen 3969 R	1,032 lm	24.2	0.551	538.86 jkl	21.9 b-e
Deltapine 424 B2R	1,186 i-l	26.8	0.488	531.78 kl	29.8 a-e
Stoneville 6636 BR	1,147 j-l	25.5	0.501	527.01 kl	28.2 a-e
Deltapine 445 BR	998 lm	28.8	0.504	451.11 lm	36.6 a-d
Stoneville 5599 BR	1,049 kl	27.3	0.474	448.92 lm	33.3 a-e
Beltwide Cotton Genetics 30R	988 lm	24.3	0.477	438.89 lm	37.2 abc
Americot 821 R	864 mn	20.0	0.505	410.97 m	38.5 ab
Deltapine 434 RR	883 mn	27.6	0.496	399.19 m	32.5 a-e
Beltwide Cotton Genetics 50 R	742 n	22.7	0.517	353.20 m	27.7 a-e

^aDifferent letters after a number indicate that the values are significantly (P=0.05) different from each other.

Variety ^a	Micro-naire	Length ^b	Unifor-mity	Strength	Elonga-tion	% Reflect-ance	Degree of yellowness	Leaf grade
FM 989 B2R	3.1	1.10 a-d	80.7 a-h	29.0 a	4.9 l-p	80.8 abc	8.1 a-e	1.5 cd
FM 960 BR	3.1	1.09 a-e	80.6 a-h	28.7 ab	4.6 opq	80.3 a-e	7.8 b-e	1.5 cd
PM 2379 RR	3.6	1.04 ef	82.4 a	27.9 a-d	7.5 ab	79.1 c-j	8.4 a-e	1.5 cd
FM 960 B2R	3.2	1.11 abc	79.4 f-j	28.5 abc	4.0 q	81.6 a	7.7 b-e	1.0 d
FM 960 RR	3.4	1.11 ab	80.5 a-h	25.4 cde	4.6 pq	79.3 b-i	8.1 a-e	2.5 abc
NG 2448 R	3.3	1.09 a-e	82.2 ab	27.7 a-d	6.0 e-i	80.9 abc	8.0 a-e	1.5 cd
FM 989 RR	3.0	1.08 a-e	80.5 b-h	27.9 a-d	4.8 m-p	80.7 abc	7.9 b-e	1.5 cd
DP 455 BR	3.1	1.10 a-d	80.0 c-h	26.6 a-e	5.3 i-o	78.5 e-k	8.9 a	2.0 bcd
PM 2266 RR	3.3	1.06 c-f	80.9 a-g	26.9 a-e	6.2 d-g	77.3 jkl	7.6 de	3.0 ab
DP 5690 RR	2.9	1.08 a-e	79.4 f-j	28.0 a-d	5.4 h-n	80.1 a-g	8.1 a-e	1.5 cd
AM 262 R	3.3	1.07 b-f	79.6 e-j	25.6 b-e	5.8 f-k	80.2 a-g	8.2 a-e	1.0 d
DP 494 RR	3.5	1.09 a-e	80.4 b-h	27.8 a-d	5.5 h-m	79.9 a-h	7.9 b-e	2.0 bcd
DP 555 BR	3.0	1.09 a-e	77.9 j	23.9 e	4.6 opq	81.2 a	7.7 b-e	2.0 bcd
AT Atlas RR	3.2	1.04 ef	80.9 a-f	27.6 a-d	5.9 e-j	77.3 jkl	8.1 a-e	3.0 ab
FM 989 BR	3.0	1.07 b-f	79.0 g-j	26.8 a-e	5.2 j-p	80.2 a-f	7.5 e	2.0 bcd
PG 470 WR	3.4	1.06 b-f	81.0 a-f	26.0 a-e	7.1 abc	75.9 l	8.0 b-e	3.5 a
ST 5303 R	3.0	1.05 ef	81.6 abc	27.7 a-d	5.3 i-o	79.3 b-i	8.4 a-e	1.5 cd
DP 5415 RR	2.9	1.07 b-f	80.8 a-g	27.7 a-d	6.0 e-i	80.2 a-f	8.1 a-e	2.0 bcd
ST 5242 BR	3.3	1.02 f	80.5 a-h	25.5 b-e	6.5 cde	80.5 a-d	8.6 abc	1.0 d
ST 4575 BR	3.1	1.06 c-f	80.1 c-h	26.1 a-e	7.7 a	77.8 ijk	8.6 ab	2.5 abc
PG 410 R	3.4	1.08 a-e	81.2 a-f	27.0 a-e	6.8 bcd	77.0 kl	8.1 a-e	3.0 ab
BCG 28R	3.3	1.06 b-f	78.0 ij	26.0 a-e	5.1 k-p	78.2 h-k	8.1 a-e	1.5 cd
DP 444 BR	3.1	1.07 a-e	81.5 a-d	26.4 a-e	5.9 e-j	80.1 a-g	7.8 b-e	2.0 bcd
DP 488 BR	3.1	1.07 a-e	77.9 j	27.6 a-d	5.1 k-p	79.3 b-i	8.3 a-e	2.0 bcd
AFD 3602 R	3.2	1.09 a-e	81.3 a-e	27.9 a-d	5.0 l-p	78.8 d-j	7.8 b-e	2.0 bcd
DP 449 BR	2.9	1.08 a-e	80.7 a-h	28.2 a-d	5.1 k-p	80.1 a-g	7.9 b-e	1.5 cd
ST 4686 R	3.0	1.07 b-f	79.8 c-i	26.0 a-e	6.9 bcd	80.0 a-g	8.1 a-e	2.0 bcd
NG 3969 R	3.6	1.12 a	80.9 a-f	25.5 b-e	6.0 e-i	81.0 ab	8.1 a-e	1.5 cd
DP 424 B2R	3.2	1.05 ef	79.7 d-j	24.2 e	6.4 def	79.8 a-h	8.0 a-e	1.5 cd
ST 6636 BR	3.1	1.10 a-d	80.6 a-h	28.1 a-d	5.3 i-o	78.5 e-k	8.2 a-e	1.5 cd
DP 445 BR	3.1	1.07 a-e	80.1 c-h	26.6 a-e	6.9 bcd	78.4 g-k	8.5 a-d	2.5 abc
ST 5599 BR	3.0	1.05 ef	78.9 hij	26.2 a-e	4.7 n-q	77.4 jkl	8.5 a-d	2.0 bcd
BCG 30R	2.8	1.09 a-e	80.0 c-h	25.5 b-e	5.6 g-l	78.4 f-k	7.7 cde	2.0 bcd
AM 821 R	3.4	1.05 def	80.6 a-h	25.0 de	6.6 cde	78.6 e-k	8.3 a-e	2.0 bcd
DP 434 RR	3.0	1.09 a-e	80.4 b-h	25.1 de	6.3 d-g	79.2 b-i	7.7 b-e	2.0 bcd
BCG 50 R	3.1	1.09 a-e	81.3 a-e	28.6 abc	6.1 e-h	79.1 c-j	8.1 a-e	2.0 bcd

^aAM=Americot, AT=All-Tex, BCG=Belwide Cotton Genetics, DP=Deltapine, FM=FiberMax, NG=NexGen, PG=Phytogen, PM=Paymaster, ST=Stoneville.

^bDifferent letters after a number indicate that the values are significantly (P=0.05) different from each other.

Verticillium wilt Test in Lubbock County

Variety	lbs of Lint/acre	% Lint	Loan value	(\$/acre) (Loan value x Yield)- Seed + Tech costs	% Wilt on Aug. 24
FiberMax 960BR	1,264 a	0.285	0.538	634.71 a	6 hi
FiberMax 989BR	1,239 a	0.269	0.527	607.75 ab	7 hi
FiberMax 958	1,112 abc	0.292	0.558	602.00 abc	16 b-i
DeltaPine 455BR	1,223 a	0.314	0.506	566.87 a-d	11 e-i
FiberMax 5045BR	1,171 ab	0.257	0.475	517.15 b-e	12 d-i
FiberMax 958LL	990 b-e	0.266	0.554	514.82 b-e	16 b-h
FiberMax 960RR	1,073 a-d	0.279	0.509	509.43 b-f	7 hi
AFD 3511R	950 cde	0.255	0.551	495.90 b-g	12 d-i
Americot 1621	934 cde	0.283	0.537	495.48 b-g	12 d-i
AFD 3602R	993 b-e	0.281	0.527	493.37 c-g	8 ghi
FiberMax 966LL	968 b-e	0.262	0.536	482.46 d-g	12 d-i
FiberMax 981LL	932 cde	0.267	0.546	475.24 d-g	17 b-h
All-Tex PatriotRR	904 c-f	0.263	0.550	471.94 d-g	8 ghi
Beltwide Cotton Genetics 28R	937 cde	0.280	0.535	468.83 d-h	12 d-i
FiberMax 5035LL	877 d-g	0.227	0.556	464.13 d-i	15 b-i
DeltaPine 493	929 cde	0.315	0.519	461.02 d-j	15 b-i
Beltwide Cotton Genetics 295	868 d-h	0.264	0.539	457.91 d-j	20 a-f
NexGen 2448R	892 d-g	0.253	0.544	455.58 d-j	5 i
DeltaPine 393	859 d-h	0.271	0.537	439.95 e-j	12 d-i
DeltaPine 424B2R	980 b-e	0.268	0.489	432.24 e-j	12 d-i
All-Tex Xpress	815 e-h	0.252	0.525	417.24 e-j	12 d-i
DeltaPine 434RR	867 d-h	0.269	0.511	404.13 e-k	6 hi
Phytogen 310R	847 e-h	0.280	0.522	400.69 f-k	10 e-i
DeltaPine 445BR	900 c-f	0.283	0.498	396.87 f-k	19 a-g
Beltwide Cotton Genetics 245	681 ghi	0.261	0.579	384.61 g-k	26 ab
Stoneville 3664R	833 e-h	0.284	0.492	383.88 g-k	4 i
All-Tex WarriorRR	777 e-i	0.261	0.534	383.14 g-k	21 a-e
Americot 262R	696 f-i	0.268	0.548	356.46 h-l	15 c-i
Americot 8120	697 f-i	0.266	0.514	352.65 i-l	30 a
DeltaPine 491	689 f-i	0.288	0.538	350.02 jkl	17 b-h
All-Tex MagnumRR	655 hi	0.270	0.501	296.54 kl	25 abc
DeltaPine 5415RR	565 i	0.241	0.534	267.09 l	22 a-d

Variety ^a	Micronaire	Length ^b	Uniformity	Strength	Elongation	% Reflectance	Degree of yellowness	Leaf grade
FM 960BR	3.3	1.08 a-f	81.2 b-e	30.0 a-d	4.5	79.8 abc	7.8 j-m	1.5
FM 989BR	3.1	1.09 a-f	79.6 fg	27.7 e-k	5.0	80.0 abc	7.8 j-m	1.0
FM 958	3.4	1.10 a-e	81.1 b-e	29.1 a-f	4.1	80.1 abc	8.1 f-l	1.5
DP 455BR	3.1	1.08 b-f	79.6 fg	27.9 e-k	5.2	78.3 bc	9.5 a	1.0
FM 5045BR	3.0	1.04 ef	80.8 b-f	28.7 b-g	6.3	79.4 abc	8.3 c-h	1.0
FM 958LL	3.5	1.10 a-d	81.4 bc	28.6 b-g	4.5	79.2 abc	8.0 g-l	1.5
FM 960RR	3.0	1.09 a-f	79.8 d-g	28.2 d-i	4.3	81.6 a	7.9 h-l	1.5
AFD 3511R	3.7	1.08 a-f	81.8 ab	28.3 c-h	6.0	77.7 bc	8.4 c-g	2.5
AM 1621	3.5	1.06 c-f	80.8 b-f	26.9 g-l	6.2	79.7 abc	8.8 b	1.5
AFD 3602R	3.4	1.07 c-f	80.3 c-f	28.1 e-j	5.1	79.4 abc	8.3 c-i	1.0
FM 966LL	3.3	1.09 a-f	81.1 b-e	30.7 a	4.1	79.0 abc	7.5 m	2.5
FM 981LL	3.3	1.13 ab	81.2 b-e	29.5 a-e	5.2	79.2 abc	7.7 lm	2.0
AT PatriotRR	3.3	1.11 a-d	80.8 b-f	26.3 jkl	5.8	79.6 abc	7.9 i-m	1.0
BCG 28R	3.4	1.09 a-f	79.8 efg	27.3 f-k	4.7	78.7 abc	8.1 f-l	2.0
FM 5035LL	3.4	1.10 a-d	81.7 abc	28.6 b-g	8.2	77.5 bc	7.9 h-l	2.0
DP 493	3.4	1.05 c-f	78.7 g	27.9 e-k	4.9	79.8 abc	8.2 e-k	1.0
BCG 295	3.2	1.10 a-e	80.3 c-f	26.5 i-l	5.4	79.8 abc	8.5 b-f	1.5
NG 2448R	3.3	1.10 a-d	82.9 a	29.5 a-e	6.3	79.6 abc	8.0 g-l	2.0
DP 393	3.3	1.11 abc	81.2 bcd	27.7 e-k	7.5	79.2 abc	8.6 bcd	1.0
DP 424B2R	3.1	1.07 c-f	80.3 c-f	26.1 kl	7.0	79.6 abc	7.8 klm	1.5
AT Xpress	3.4	1.06 c-f	80.8 b-f	28.1 e-j	4.8	79.4 abc	8.0 g-l	2.0
DP 434RR	3.0	1.10 a-e	79.6 fg	27.0 g-l	6.3	80.2 abc	7.8 klm	1.5
Phytogen 310R	3.5	1.06 c-f	81.0 b-f	27.8 e-k	6.2	77.3 c	8.3 c-h	2.5
DP 445BR	3.2	1.05 def	81.2 b-e	27.9 e-k	7.2	79.4 abc	8.2 d-j	2.0
BCG 245	3.5	1.11 abc	80.7 b-f	30.1 abc	4.6	80.2	8.2 d-j	2.0
ST 3664R	3.5	1.03 f	80.9 b-f	26.5 h-l	6.3	80.4 abc	8.3 c-i	1.5
AT WarriorRR	3.2	1.09 a-f	79.8 d-g	26.7 h-l	6.0	79.8 abc	8.3 c-h	1.5
AM 262R	3.4	1.09 a-f	81.4 bc	28.1 e-j	5.7	79.1 abc	8.6 b-e	2.0
AM 8120	3.5	1.05 def	79.6 fg	25.3 l	6.5	78.4 bc	8.7 bc	1.5
DP 491	3.2	1.14 a	80.6 b-f	30.3 ab	4.6	80.0 abc	7.9 h-l	2.0
AT MagnumRR	2.9	1.09 a-f	80.6 b-f	27.9 e-k	6.3	80.4 abc	8.2 e-k	2.0
DP 5415RR	3.4	1.07 b-f	79.6 fg	28.1 e-j	6.7	80.7 ab	8.3 c-i	1.0

^aAM=Americot, AT=All-Tex, BCG=Beltwide Cotton Genetics, DP=Deltapine, FM=FiberMax, NG=NexGen, PG=Phytogen, PM=Paymaster, ST=Stoneville.

^bDifferent letters after a number indicate that the values are significantly (P=0.05) different from each other.

Colorado City Verticillium wilt Test

Variety ^a	Lbs of lint/acre	% Lint	Loan value	\$/acre (loan value x yield-seed + Tech cost)	% Wilt on 8/30
FiberMax 991 RR	928 a-e	28.2	0.563	488.06 a	28
Phytogen 480 WR	1,028 a	30.5	0.507	470.50 ab	35
DeltaPine 455 BR	986 ab	27.1	0.528	469.10 ab	30
FiberMax 989 BR	950 abc	28.2	0.525	453.74 abc	25
FiberMax 960 RR	912 a-e	27.3	0.532	448.69 a-d	27
FiberMax 960 B2R	934 a-d	27.5	0.523	443.03 a-d	36
FiberMax 991 BR	929 a-e	28.8	0.522	442.08 a-d	30
DeltaPine 5690 RR	888 a-e	25.1	0.533	439.13 a-d	25
DeltaPine 449 BR	867 a-f	28.2	0.555	433.75 a-e	30
Phytogen 470 WR	947 abc	27.0	0.510	432.64 a-f	37
FiberMax 960 BR	890 a-e	25.8	0.531	427.24 a-f	25
FiberMax 989 B2R	913 a-e	27.0	0.516	426.78 a-f	30
Stoneville 6636 BR	875 a-f	25.2	0.533	417.65 a-f	38
DeltaPine 444 BR	880 a-f	25.1	0.522	410.70 a-f	30
FiberMax 989 RR	834 b-h	25.0	0.519	397.24 a-g	29
Stoneville 5303 R	846 b-g	25.1	0.509	394.01 b-g	29
Stoneville 5242 BR	850 b-g	28.3	0.518	392.01 b-g	38
NextGen 2448R	755 e-k	25.0	0.527	368.33 c-h	31
All-Tex Patriot RR	763 d-k	24.3	0.514	366.78 c-h	27
Stoneville 4575 BR	809 c-i	28.2	0.503	358.59 d-i	29
NextGen 3969R	773 c-j	23.4	0.487	346.60 e-j	38
Americot 821R	705 f-m	27.8	0.521	341.55 f-k	37
FiberMax 991 B2R	711 f-l	25.5	0.510	318.58 g-l	38
Americot 262R	666 h-n	24.9	0.512	316.44 g-l	33
DeltaPine 555 BR	684 g-n	27.6	0.519	305.79 g-m	39
Stoneville 4686 R	625 j-n	23.9	0.533	293.22 h-m	30
Stoneville 5599 BR	643 i-n	22.0	0.53	292.79 h-m	35
DeltaPine 434 RR	637 i-n	24.4	0.500	276.81 h-m	30
DeltaPine 494 RR	632 i-n	25.2	0.494	273.66 i-m	47
BCG 28R	531 m-o	27.3	0.561	265.32 j-m	41
BCG 30R	563 l-o	21.7	0.517	258.98 j-n	39
Phytogen 410 R	574 l-o	25.0	0.507	252.62 k-n	30
All-Tex Warrior RR	511 lm	23.6	0.501	234.35 lmn	35
All-Tex Magnum RR	507 no	24.7	0.524	233.74 lmn	50
DeltaPine 424 B2R	587 k-o	22.2	0.457	221.00 mn	35
BCG 24R	419 o	22.2	0.475	167.21 n	44

^aBCG is Beltwide Cotton Genetics, NextGen is a variety from Monsanto, as are Stoneville varieties.

^bVarieties with different letters following a value are significantly different. The best varieties in terms of yield and value per acre are in bold type.

Variety ^a	Micron aire	Len- gth	Unifor- mity	Stren- gth	Elonga- tion	% Reflect- ance	Degree of yellow- ness	Leaf Value
FiberMax 991 RR	3.5	1.14	81.6	31.2	5.1	80.0	7.7	2.0
Phytogen 480 WR	3.1	1.12	82.1	28.9	6.4	75.9	7.9	2.5
DeltaPine 455 BR	3.1	1.10	81.1	28.6	4.4	77.2	8.8	2.5
FiberMax 989 BR	3.1	1.09	80.4	29.1	5.2	77.2	8.0	2.0
FiberMax 960 RR	3.2	1.11	80.9	28.1	4.4	78.0	7.9	2.0
FiberMax 960 B2R	3.0	1.12	81.3	28.8	4.7	78.7	7.4	2.5
FiberMax 991 BR	3.1	1.11	81.6	29.3	5.4	76.4	7.9	2.0
DeltaPine 5690 RR	3.2	1.09	80.9	29.8	5.0	78.1	7.7	2.5
DeltaPine 449 BR	3.4	1.11	82.0	27.4	4.4	78.4	7.6	1.5
Phytogen 470 WR	3.2	1.12	81.9	29.6	6.0	73.8	8.3	2.5
FiberMax 960 BR	3.2	1.10	82.5	30.3	5.7	76.6	8.3	2.5
FiberMax 989 B2R	3.0	1.11	82.1	30.0	4.4	76.7	8.1	2.5
Stoneville 6636 BR	3.2	1.15	82.6	29.7	4.9	76.4	8.1	2.0
DeltaPine 444 BR	3.3	1.10	82.8	29.3	6.2	73.5	8.2	3.5
FiberMax 989 RR	3.0	1.11	81.4	30.0	4.7	79.8	7.6	2.0
Stoneville 5303 R	3.2	1.09	81.2	27.9	5.1	75.7	8.1	2.5
Stoneville 5242 BR	3.5	1.06	81.4	26.6	5.4	78.2	8.0	2.5
NextGen 2448R	3.3	1.09	82.8	30.4	6.0	77.0	7.7	2.5
All-Tex Patriot RR	3.2	1.11	79.7	28.1	5.1	80.3	7.9	2.0
Stoneville 4575 BR	3.2	1.06	81.0	27.5	6.7	76.5	8.5	2.5
NextGen 3969R	2.9	1.11	82.2	29.5	6.5	74.8	8.0	3.5
Americot 821R	3.3	1.05	81.1	27.4	5.9	78.5	8.0	2.0
FiberMax 991 B2R	3.1	1.13	81.2	30.7	4.4	75.9	7.7	3.0
Americot 262R	3.3	1.06	80.2	27.4	5.0	77.3	7.9	2.0
DeltaPine 555 BR	3.2	1.09	80.8	27.7	5.3	77.9	7.9	1.5
Stoneville 4686 R	3.2	1.08	81.3	28.2	7.1	75.4	8.6	2.0
Stoneville 5599 BR	3.3	1.09	81.0	28.9	6.0	76.7	8.1	3.0
DeltaPine 434 RR	3.1	1.10	80.5	27.9	5.2	77.4	7.7	3.0
DeltaPine 494 RR	2.8	1.08	81.6	27.4	5.3	76.2	8.0	3.0
BCG 28R	3.6	1.08	80.9	27.5	4.6	76.6	8.4	2.0
BCG 30R	3.2	1.12	81.5	28.6	5.5	76.7	8.0	3.0
Phytogen 410 R	3.2	1.09	82.5	27.9	6.7	76.6	8.5	3.0
All-Tex Warrior RR	3.0	1.11	81.3	27.7	5.1	76.5	8.0	2.5
All-Tex Magnum RR	3.2	1.08	81.4	28.1	6.1	77.3	8.0	2.5
DeltaPine 424 B2R	2.8	1.09	80.8	26.5	6.1	75.2	8.0	4.0
BCG 24R	2.8	1.11	82.1	30.9	4.4	73.7	7.4	4.0

Relative wilt ratings for varieties planted at a minimum of two Verticillium wilt sites.

Variety	Average Relative Wilt ^a	Average Relative Yield ^b	Best to plant in wilt field ^c	Number of sites tested
FiberMax 960BR	0.36	0.95	1.59	4
FiberMax 989B2R	0.46	0.94	1.48	3
FiberMax 989BR	0.44	0.88	1.44	4
DeltaPine 455BR	0.51	0.91	1.40	3
FiberMax 960RR	0.49	0.82	1.33	5
Paymaster 2379RR	0.54	0.82	1.28	3
DeltaPine 5690RR	0.57	0.84	1.27	2
FiberMax 960B2R	0.63	0.90	1.27	4
Paymaster 2167RR	0.69	0.95	1.26	2
All-Tex Atlas RR	0.49	0.74	1.25	2
Phytogen 470WR	0.59	0.83	1.24	2
NexGen 2448R	0.57	0.77	1.20	5
Paymaster 2280BR	0.62	0.82	1.20	2
FiberMax 989RR	0.63	0.83	1.20	4
Associated Farmers Delinting 3602R	0.51	0.70	1.19	2
DeltaPine 444BR	0.57	0.76	1.19	4
Stoneville 5242BR	0.62	0.79	1.17	2
Paymaster 2266RR	0.60	0.76	1.16	3
NexGen 1553R	0.66	0.82	1.16	2
Stoneville 5303R	0.64	0.79	1.15	2
All-Tex Patriot RR	0.53	0.65	1.12	3
DeltaPine 424B2R	0.57	0.66	1.09	3
FiberMax 5045BR	0.68	0.76	1.08	3
Associated Farmers Delinting 3511R	0.55	0.61	1.06	2
Stoneville 6636BR	0.67	0.73	1.06	2
Deltapine 449BR	0.70	0.76	1.06	2
Phytogen 410R	0.57	0.61	1.04	2
Stoneville 4686R	0.60	0.62	1.02	2
Paymaster 2145RR	0.72	0.74	1.02	2
DeltaPine 434RR	0.59	0.58	0.99	5
DeltaPine 555BR	0.73	0.72	0.99	2
NexGen 3969R	0.71	0.67	0.96	3
Stoneville 4575BR	0.79	0.75	0.96	2
Americot 262R	0.66	0.59	0.93	4
Phytogen 310R	0.64	0.56	0.92	3
DeltaPine 445BR	0.70	0.62	0.92	2
DeltaPine 494RR	0.76	0.66	0.90	2
Stoneville 5599BR	0.70	0.59	0.89	2
All-Tex Warrior RR	0.70	0.56	0.86	2
Deltapine 432RR	0.77	0.63	0.86	2
Beltwide Cotton Genetics 28R	0.71	0.56	0.85	4
DeltaPine 5415RR	0.74	0.59	0.85	2
Americot 821R	0.77	0.57	0.80	2
Beltwide Cotton Genetics 50R	0.64	0.41	0.77	2
Beltwide Cotton Genetics 30R	0.78	0.54	0.76	2
All-Tex Magnum RR	0.92	0.51	0.59	2

^aThe % average wilt for each variety at each site was divided by the highest average wilt for a variety at that site.

^bThe yield for each variety at each site was divided by the highest average yield for a variety at that site.

^cThe average relative wilt was subtracted from 1, and that value added to the average relative yield. This provides a measure of both symptom development and tolerance to base variety recommendations on.