

2007 FUSARIUM WILT VARIETY PERFORMANCE RESULTS

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Table 1. Final Fusarium wilt ratings (%) from two trials conducted in west Texas, 2007

Variety	Terry Co.		Dawson Co.	
AFD 5064F	2.1	ef ^a	2.1	k
AFD 5065B2F	1.9	ef	2.3	k
All-Tex ApexB2F	1.2	f	8.1	h-k
All-Tex AridB2F	2.1	ef	4.9	ijk
All-Tex TitanB2F	2.2	ef	5.3	ijk
Americot 1622B2F	2.4	ef	9.3	g-k
Americot 1664B2F	---	^b ---	23.4	b-e
Americot 2220F	8.5	ab	22.4	b-e
Deltapine 117B2F	---	---	18.9	c-g
Deltapine 143B2F	3.1	ef	14.3	e-j
Deltapine 147F	3.4	ef	29.1	a-d
Deltapine 164B2F	3.1	ef	2.1	k
Deltapine 167F	2.4	ef	3.3	k
Deltapine 174F	2.8	ef	6.3	ijk
Deltapine 454BR	10.6	a	---	---
Deltapine 455BR	5.1	d-e	---	---
Deltapine 488BR	3.7	ef	---	---
Fibermax 1740B2F	7.5	a-d	30.5	ab
Fibermax 1840B2F	2.1	ef	2.5	k
Fibermax 1880B2F	2.2	ef	6.9	h-k
Fibermax 9058F	8.1	abc	---	---
Fibermax 9060F	---	---	38.1	a
Fibermax 9063B2F	4.1	def	20.5	b-f
Fibermax 9068F	3.6	ef	18.8	d-g
Fibermax 9180B2F	---	---	11.1	f-k
Fibermax 960B2R	9.0	a	---	---
Fibermax 960BR	2.0	ef	---	---
Fibermax 989B2R	2.3	ef	---	---
NexGen 3550F	---	---	7.2	h-k
Paymaster 2140B2F	---	---	24.7	b-e
Paymaster 2326R	1.9	ef	---	---
Phytogen 125F	---	---	5.9	ijk
Phytogen 425F	---	---	29.6	abc
Phytogen 480WR	4.9	cde	---	---
Phytogen 485WF	9.2	a	36.5	a
Stoneville 4427B2F	---	---	17	e-h
Stoneville 4554B2F	3.1	ef	3.9	jk
Stoneville 5283F	---	---	14.9	e-i
Stoneville 5327F	4.0	ef	9.8	g-k
Stoneville 5599BF	3.5	ef	---	---
Stoneville 6611B2F	3.7	ef	2.7	k
Stoneville 6622F	2.5	ef	4.1	jk

^a Data are the means from four replications. Means within a column followed by the same letter are not significantly different according to the Waller-Duncan multiple range test ($P=0.05$).

^b Indicates that variety was not evaluated in that particular trial.

Table 2. Fiber quality parameters for cotton varieties evaluated in Fusarium wilt trials in west Texas, 2007^a

Variety	Terry Co.				Dawson Co.			
	Mic.	Len.	Unif.	Stren.	Mic.	Len.	Unif.	Stren.
AFD 5064F	4.30	1.12	81.3	30.0	4.65	1.08	81.4	29.3
AFD 5065B2F	3.88	1.17	81.1	29.4	4.50	1.08	80.7	26.9
All-Tex ApexB2F	4.28	1.10	80.3	28.0	4.10	1.13	79.9	26.0
All-Tex AridB2F	3.93	1.12	80.7	28.9	4.35	1.09	80.2	27.5
All-Tex TitanB2F	3.68	1.21	82.6	29.8	4.00	1.15	80.6	26.8
Americot 1622B2F	3.83	1.19	82.0	27.8	4.25	1.16	81.3	26.8
Americot 1664B2F	--- ^b	---	---	---	4.45	1.11	80.2	26.3
Americot 2220F	3.58	1.13	82.0	30.9	3.95	1.15	82.2	28.9
Deltapine 117B2F	---	---	---	---	4.20	1.10	80.6	30.6
Deltapine 143B2F	3.60	1.12	80.3	30.1	3.75	1.17	78.5	28.9
Deltapine 147F	3.60	1.16	80.4	29.0	3.75	1.17	80.4	28.2
Deltapine 164B2F	3.43	1.17	79.7	29.1	4.15	1.15	80.0	27.9
Deltapine 167F	3.65	1.13	80.5	29.4	3.85	1.17	79.9	29.4
Deltapine 174F	4.08	1.17	82.3	28.3	4.20	1.14	80.6	25.3
Deltapine 454BR	3.40	1.09	80.2	28.7	---	---	---	---
Deltapine 455BR	3.70	1.13	81.3	30.1	---	---	---	---
Deltapine 488BR	3.63	1.19	81.1	31.0	---	---	---	---
Fibermax 1740B2F	3.98	1.08	79.9	28.1	4.45	1.07	79.4	27.4
Fibermax 1840B2F	3.80	1.03	81.6	30.5	4.50	0.98	79.9	28.2
Fibermax 1880B2F	3.78	1.17	81.3	29.3	4.35	1.13	80.9	28.5
Fibermax 9058F	3.60	1.17	80.8	29.0	---	---	---	---
Fibermax 9060F	---	---	---	---	4.05	1.17	80.2	28.4
Fibermax 9063B2F	4.20	1.19	81.7	30.7	4.40	1.16	81.4	30.1
Fibermax 9068F	3.98	1.19	82.9	30.5	4.30	1.17	80.5	28.8
Fibermax 9180B2F	---	---	---	---	4.30	1.15	81.2	28.8
Fibermax 960B2R	3.93	1.10	79.4	28.7	---	---	---	---
Fibermax 960BR	3.70	1.12	80.4	31.1	---	---	---	---
Fibermax 989B2R	4.00	1.11	81.4	30.7	---	---	---	---
Nexgen 3550F	---	---	---	---	4.40	1.13	81.1	27.9
Paymaster 2140B2F	---	---	---	---	4.20	1.09	80.6	28.3
Paymaster 2326R	4.33	1.09	83.1	29.3	---	---	---	---
Phytogen 125F	---	---	---	---	4.15	1.11	81.8	28.8
Phytogen 425F	---	---	---	---	4.35	1.14	82.7	29.6
Phytogen 480WR	4.00	1.13	81.8	29.9	---	---	---	---
Phytogen 485WF	3.95	1.12	81.8	28.5	4.40	1.13	81.4	28.8
Stoneville 4427B2F	---	---	---	---	4.40	1.14	81.9	27.4
Stoneville 4554B2F	3.83	1.12	81.3	29.7	4.60	1.13	81.1	28.4
Stoneville 5283F	---	---	---	---	3.95	1.10	80.9	29.0
Stoneville 5327F	3.53	1.12	81.7	30.2	4.40	1.09	80.7	28.2
Stoneville 5599BF	3.88	1.16	81.2	27.2	---	---	---	---
Stoneville 6611B2F	3.88	1.13	81.9	30.9	4.50	1.12	82.0	29.6
Stoneville 6622F	3.65	1.19	82.2	31.4	4.45	1.15	82.5	29.5

^a Mic. = micronaire, Len.= length , Unif. = uniformity, Stren. = strength.

^b Indicates that variety was not evaluated in that particular trial.

Table 3. Yield, loan value and net returns for Terry County Fusarium wilt trial, 2007

Variety	Lint Yield (lbs/A)	Loan value (\$/lb)	Net Returns (\$/A)
Deltapine 174F	1,916 a*	0.590	1081.10 a
Deltapine 164B2F	1,673 a-c	0.553	873.00 b
Deltapine 143B2F	1,695 ab	0.541	859.30 b
Fibermax 1880B2F	1,547 b-d	0.585	819.90 b
Paymaster 2326RR	1,545 b-d	0.566	847.10 b
Deltapine 455BG/RR	1,487 b-e	0.589	824.20 bc
Stoneville 5599BF	1,497 b-e	0.582	819.90 bc
Fibermax 1840B2F	1,660 a-c	0.527	819.00 bc
AFD 5065B2F	1,479 b-e	0.585	813.80 bc
Fibermax 9068F	1,461 b-f	0.589	811.50 bc
Fibermax 9063B2F	1,439 b-f	0.591	795.60 b-d
AFD 5064F	1,452 b-f	0.576	796.30 bc
Americot 1622B2F	1,445 b-f	0.587	794.50 b-d
All-Tex Titan B2F	1,446 b-f	0.580	788.80 b-e
Stoneville 6622F	1,442 b-f	0.578	786.40 b-e
Deltapine 147F	1,397 b-g	0.575	756.80 b-e
Stoneville 4554B2F	1,356 c-g	0.587	738.20 b-e
Deltapine 167F	1,356 c-g	0.568	719.50 b-e
All-Tex ApexB2F	1,346 c-g	0.563	709.40 b-e
Phytogen 485WF	1,344 c-g	0.565	702.90 b-e
Fibermax 960BR	1,281 d-g	0.579	697.70 b-e
Stoneville 6611B2F	1,251 d-h	0.590	688.80 b-e
Fibermax 989B2R	1,250 d-h	0.586	688.20 b-e
Stoneville 5327F	1,240 d-h	0.573	652.10 c-f
All-Tex Arid B2F	1,205 e-h	0.580	649.90 c-f
Deltapine 488BG/RR	1,200 e-h	0.582	646.50 c-f
Americot 2220F	1,127 f-h	0.575	601.30 d-f
Phytogen 480WR	1,101 gh	0.587	594.30 ef
Fibermax 960B2R	916 hi	0.561	472.00 fg
Fibermax 1740B2F	735 i	0.548	347.00 g
Fibermax 9058F	675 i	0.572	340.00 g
Deltapine 454BG/RR	318 j	0.534	114.00 h

* Data are the means from four replications. Means within a column followed by the same letter are not significantly different according to the Waller-Duncan multiple range test ($P=0.05$).

Table 4. Yield, loan value and net returns for Dawson County Fusarium wilt trial, 2007

Variety	Lint Yield (lbs/A)	Loan value (\$/lb)	Net Returns (\$/A)
Deltapine 174F	1,207 a*	0.585	655.61 a
Deltapine 143B2F	1,131 ab	0.582	599.32 ab
Deltapine 164B2F	1,108 a-d	0.586	589.71 abc
Stoneville 5283F	1,112 abc	0.574	588.53 abc
Stoneville 4554B2F	1,090 a-d	0.586	580.44 abc
All-Tex Apex B2F	1,031 a-e	0.588	551.48 abc
Fibermax 1840B2F	1,210 a	0.498	546.16 a-d
All-Tex Titan B2F	999 a-f	0.589	533.75 a-e
AFD 5064F	1,026 a-e	0.558	527.97 a-e
Stoneville 6622F	969 a-f	0.591	523.33 a-e
NexGen 3550F	953 a-g	0.586	517.48 a-e
Deltapine 167F	949 a-g	0.589	509.16 a-f
Deltapine 117B2F	962 a-f	0.576	494.84 a-g
Fibermax 1880B2F	936 a-h	0.588	493.90 a-g
Stoneville 5327B2F	933 a-h	0.567	471.28 b-h
Americot 1622B2F	848 b-i	0.589	445.46 b-i
Fibermax 9068F	847 b-i	0.580	440.74 b-i
Fibermax 9063B2F	840 c-i	0.590	438.51 b-i
Fibermax 9180B2F	581 b-i	0.580	437.42 b-i
Stoneville 6611B2F	835 c-i	0.581	427.79 c-i
All-Tex Arid B2F	831 c-i	0.574	426.03 c-i
AFD 5065B2F	820 d-i	0.530	382.24 d-i
Americot 1664B2F	749 e-i	0.579	380.27 d-i
Americot 2220F	710 f-j	0.587	371.46 e-j
Deltapine 147F	669 g-j	0.582	341.93 f-j
Phytogen 485WF	671 g-j	0.579	333.82 g-j
Phytogen 425F	657 hij	0.564	322.20 hij
Phytogen 125F	627 ij	0.577	313.53 hij
Paymaster 2140B2F	656 hij	0.555	312.64 hij
Stoneville 4427B2F	604 ij	0.583	294.04 ij
Fibermax 1740B2F	625 ij	0.557	291.29 ij
Fibermax 9060F	437 j	0.590	209.86 j

* Data are the means from four replications. Means within a column followed by the same letter are not significantly different according to the Waller-Duncan multiple range test ($P=0.05$).