

Response of cotton varieties to diseases on the Southern High Plains of Texas, 2010

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Table 1. Response of commercially available cotton cultivars to Verticillium wilt, bacterial blight, root-knot nematodes and Fusarium wilt^a

Brand	Variety	Verticillium wilt^b	Bacterial blight^c	Root-knot nematodes^d	Fusarium wilt^d
All-Tex	All-Tex 65207 B2RF	Intermediate	Unknown	Unknown	Unknown
All-Tex	All-Tex 81158 RF	Unknown	S	Unknown	Unknown
All-Tex	All-Tex 81220 B2RF	Unknown	S	Unknown	Unknown
All-Tex	All-Tex 81227 B2RF	Unknown	S	Unknown	Unknown
All-Tex	All-Tex Apex B2RF	Intermediate	S	S	S
All-Tex	All-Tex Arid B2RF	Poor	S	S	S
All-Tex	All-Tex Epic RF	Poor	S	S	S
All-Tex	All-Tex Marathon B2RF	Poor	R	S	S
All-Tex	All-Tex Orbit RF	Intermediate	S	S	S
All-Tex	All-Tex Patriot +RF	Intermediate	S	S	S
All-Tex	All-Tex Summit B2RF	Intermediate	R	S	S
All-Tex	All-Tex Titan B2RF	Poor	R	S	S
Americot	AM 1504 B2RF	Poor	R	S	S
Americot	AM 1532 B2RF	Intermediate	S	S	S
Americot	AM 1550 B2RF	Poor	S	S	S
Americot	AM 1622 B2RF	Intermediate	R	S	S
Americot	AM 1664 B2RF	Poor	S	S	S
Croplan	CG 3020 B2RF	Poor	R	S	S
Croplan	CG 3035 RF	Poor	S	S	S
Croplan	CG 3220 B2RF	Poor	S	S	S
Croplan	CG3520 B2RF	Intermediate	S	S	S
Croplan	CG 4020 B2RF	Intermediate	S	S	S
Deltapine	DP 0912 B2RF	Intermediate	S	S	S
Deltapine	DP 0920 B2RF	Good	Unknown	S	S
Deltapine	DP 0924 B2RF	Intermediate	S	S	S
Deltapine	DP 0935 B2RF	Intermediate	S	S	S
Deltapine	DP 0949 B2RF	Intermediate	S	S	S
Deltapine	DP 1028 B2RF	Poor	S	S	S
Deltapine	DP 1032 B2RF	Poor	PR	S	S
Deltapine	DP 1034 B2RF	Poor	S	S	S
Deltapine	DP 104 B2RF	Good	S	S	S
Deltapine	DP 1044 B2RF	Intermediate	S	S	S
Deltapine	DP 1048 B2RF	Poor	S	S	S
Deltapine	DP 1050 B2RF	Poor	S	S	S
Deltapine	DP 1133 B2RF	Intermediate	R	S	S
Deltapine	DP 1137 B2RF	Poor	S	S	S
Deltapine	DP 121 RF	Poor	S	S	S
Deltapine	DP 141 B2RF	Poor	S	S	S
Deltapine	DP 143 B2RF	Intermediate	S	S	S
Deltapine	DP 161 B2RF	Intermediate	S	S	S
Deltapine	DP 164 B2RF	Intermediate	S	S	S

Brand	Variety	Verticillium wilt^b	Bacterial blight^c	Root-knot nematodes^d	Fusarium wilt^d
Deltapine	DP 164 B2RF	Intermediate	S	S	S
Deltapine	DP 174 RF	Intermediate	S	PR	PR
Fibermax	FM 1735 LLB2	Unknown	R	S	S
Fibermax	FM 1740 B2RF	Intermediate to Good	R	S	S
Fibermax	FM 1773 LLB2	Unknown	S	S	S
Fibermax	FM 1845 LLB2	Unknown	PR	S	S
Fibermax	FM 1880 B2RF	Good	R	S	S
Fibermax	FM 2484 B2F	Good	Unknown	S	S
Fibermax	FM 832 LL	Unknown	R	S	S
Fibermax	FM 835 LLB2	Unknown	Unknown	S	S
Fibermax	FM 840 B2RF	Poor	R	S	S
Fibermax	FM 9058 RF	Good	R	S	S
Fibermax	FM 9063 B2RF	Good	R	S	S
Fibermax	FM 9160 B2F	Good	R	S	S
Fibermax	FM 9170 B2F	Good	R	S	S
Fibermax	FM 9180 B2F	Good	R	S	S
Fibermax	FM 955 LLB2	Unknown	R	S	S
Fibermax	FM 958 LL	Good	R	S	S
Fibermax	FM 981 LL	Intermediate	R	S	S
Fibermax	FM 988 LLB2	Unknown	R	S	S
NexGen	NG 1551 RF	Intermediate	S	S	S
NexGen	NG 1556 RF	Poor	S	S	S
NexGen	NG 1572 RF	Poor	R	S	S
NexGen	NG 2549 B2RF	Good	S	S	S
NexGen	NG 3273 B2RF	Poor	R	S	S
NexGen	NG 3348 B2RF	Good	PR	S	S
NexGen	NG 3538 RF	Poor	S	S	S
NexGen	NG 3550 RF	Intermediate	S	S	S
NexGen	NG 4010 B2RF	Good	R	S	S
NexGen	NG 4012 B2RF	Good	R	S	S
NexGen	NG 4111 RF	Good	R	S	S
PhytoGen	PHY 315 RF	Poor	S	S	S
PhytoGen	PHY 367 WRF	Good	S	PR	PR
PhytoGen	PHY 375 WRF	Intermediate	R	S	S
PhytoGen	PHY 485 WRF	Intermediate	S	S	S
PhytoGen	PHY 499 WRF	Intermediate	Unknown	S	S
PhytoGen	PHY 525 RF	Intermediate	Unknown	S	S
PhytoGen	PHY 565 WRF	Intermediate	S	S	S
Stoneville	ST 4288 B2F	Intermediate	S	PR	PR
Stoneville	ST 4427 B2F	Poor	S	S	S
Stoneville	ST 4498 B2F	Intermediate	S	S	S
Stoneville	ST 4554 B2RF	Intermediate	S	S	S

Brand	Variety	Verticillium wilt^b	Bacterial blight^c	Root-knot nematodes^d	Fusarium wilt^d
Stoneville	ST 5288 B2F	Intermediate	R	S	S
Stoneville	ST 5327 B2RF	Intermediate	S	S	S
Stoneville	ST 5458 B2RF	Poor	S	PR	PR

^a PR = partial resistance; S= susceptible; R=resistant.

^b Verticillium wilt responses are good, intermediate, and poor, and reflect a combination of wilt ratings, defoliation ratings, and yield potential in Verticillium wilt fields. A “good” variety will be acceptable in at least yield and either wilt ratings, defoliation ratings, or both of these categories.

^c Bacterial blight is divided into resistant, partial resistance and susceptibility. Resistant indicates that bacterial blight should not occur on that variety. PR indicates that a small percentage (probably less than 30%) will develop symptoms. Susceptible indicates that bacterial symptoms can occur on most plants. Ratings do not indicate yield in the presence of this disease.

^d The ratings for root-knot nematode and Fusarium wilt are susceptible or partially resistant. Partially resistant refers to varieties that have been bred with specific genes for root-knot nematode resistance. These same varieties will also be partially resistant to Fusarium wilt.