

Response of the cotton varieties in the 2019 Mississippi State University Official Variety Trial to inoculation with the bacterial blight bacterium at Stoneville, MS.

Variety	Response	Variety	Response
AMX 1816 B3XF	S	DP 1916 B3XF	S
AMX 1818 B3XF	R	NG 3522 B2XF	S
AMX 1828 B3XF	MR	NG 3729 B2XF	S
AMX 19A005 B3XF	S	NG 3930 B3XF	R
AMX 19A006 B3XF	R	NG 3994 B3XF	MS
CG 19XE9 B3XF	R	NG 4936 B3XF	MS
CG 9178 B3XF	S	NG 5711 B3XF	R
CG 9608 B3XF	S	PHY 340 W3FE	R
DG 3317 B3XF	S	PHY 350 W3FE	R
DG 3385 B2XF	S	PHY 480 W3FE	R
DG 3427 B3XF	S	PHY 580 W3FE	R
DG 3470 B3XF	S	PX 3B07 W3FE	R
DG 3520 B3XF	R	PX 3B09 W3FE	R
DG 3526 B2XF	S	PX 3C06 W3FE	R
DG 3555 B3XF	R	PX 3D32 W3FE	R
DG 3570 B3XF	S	PX 3D43 W3FE	R
DG 3615 B3XF	R	PX 5C05 W3FE	R
DP 1518 B2XF	R	PX 5C45 W3FE	R
DP 1646 B2XF	MR	PX 5D28 W3FE	R
DP 1725 B2XF	S	PX 5E28 W3FE	R
DP 1835 B3XF	S	PX 5E34 W3FE	R
DP 1845 B3XF	R	SSG UA 114	R
DP 1851 B3XF	R	SSG UA 222	R
DP 18R411 B3XF	R	ST 4550GLTP	S
DP 18R438 B3XF	R	ST 5471GLTP	R
DP 18R445 B3XF	S	ST 5600B2XF	S

Response is presented as a letter assessment based on the percentage of plant material exhibiting disease post-inoculation. Variety responses listed above is based on disease incidence following inoculation with the bacterial blight causal organism and based on evaluations of observable disease incidence on a 0-100% scale. Responses were assessed as **S** = susceptible; **MS** = moderately susceptible; **MR** = moderately resistance; and **R** = resistant based on the observational response of each variety in a replicated variety trial planted in Stoneville, MS. Plants were inoculated with the bacterium that causes bacterial blight and evaluated for the incidence, severity and defoliation that resulted from bacterial blight.