

Response of the cotton varieties in the 2023 Mississippi State University Official Variety Trial to inoculation with the bacterial blight bacterium at Stoneville, MS.

Variety	Response	Variety	Response
AMX160030-A B3XF	S	DP 2317 B3TXF B3XF	R
AMX160030-B B3XF	MS	DP 2328 B3TXF B3XF	MS
AMX20T079 B3XF	R	NG 3195 B3XF	S
AMX20T114 B3XF	S	NG 4190 B3XF	S
AMX20T157 B3XF	R	NG 4335 B3TXF	R
AMX21C005 B3XF	R	NG 4343 B3TXF	S
Armor 23X1424 B3TXF	R	PHY332W3FE	R
Armor 9371 B3XF	S	PHY360W3FE	R
Armor 9383 B3TXF	R	PHY400W3FE	R
DG 3503 B3XF	S	PHY411W3FE	R
DG 3528 B3XF	R	PHY415W3FE	R
DG 4484 B3TXF	S	PHY443W3FE	R
DG 4530 B3TXF	S	PX1130B333-04	R
DP 1646 B2XF	R	PX1130D303-04	R
DP 2012 B3XF	R	PX1140A385-04	R
DP 2038 B3XF	R	PX1140B373-04	R
DP 2115 B3XF	S	PX1140D328-04	R
DP 2127 B3XF	S	PX1150B437-04	R
DP 2131 B3TXF B3XF	MR	PX1150D490-04	R
DP 2141NR B3XF	S	ST 4595 B3XF	S
DP 2211 B3TXF B3XF	S	ST 4990 B3XF	S
DP 2239 B3XF	S	ST 5091 B3XF	S

Response is presented as a letter assessment based on the percentage of disease post-inoculation as observed throughout the entire plot of each variety. Variety responses listed above are 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 (n=4 replicate plots of each variety). Plants were inoculated with the bacterium that causes bacterial blight and evaluated for the incidence and severity that resulted from bacterial blight.