

***In Vitro* Efficacy of Fungicides against Helminthosporium and Myrothecium Leaf Spot Pathogens on Cotton**

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ABSTRACT

An investigation to test *in vitro* efficacy of nine different fungicides against *Helminthosporium gossypii* and *Myrothecium roridum* causing Helminthosporium and Myrothecium leaf spots, respectively, in Cotton was carried out at Regional Agricultural Research Station, Lam, during 2019-20. Among the different fungicides tested it was observed that propiconazole @ 0.1%, propineb @ 0.3%, zineb + hexaconazole @ 0.2% trifloxystrobin + propineb @ 0.3% and metiram+ pyraclostrobin @ 0.1% completely inhibited mycelial growth of *H. gossypii* and *M. roridum* and resulted in the highest inhibition (100%) over control.

Keywords: *Cotton, Fungicides, Helminthosporium leaf spot, In vitro evaluation and Myrothecium leaf spot.*