

# ***In Vitro* Evaluation of Fungicides against *Alternaria* and *Corynespora* Leaf Spot Pathogens on Cotton**

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## **ABSTRACT**

An investigation to test *in vitro* efficacy of nine different fungicides against *Alternaria macrospora* and *Corynespora cassiicola* causing *Alternaria* and *Corynespora* leaf spots, respectively, in cotton was carried out during 2019-20. Among the different fungicides tested it was observed that propiconazole @ 0.1%, myclobutanil @ 0.1%, propineb @ 0.3%, zineb + hexaconazole @ 0.2% and fluxapyraxad + pyroxystrobin 0.06% completely inhibited the mycelial growth of *A. macrospora* whereas propiconazole @ 0.1%, myclobutanil @ 0.1%, metiram @ 0.2%, propineb @ 0.3%, zineb + hexaconazole @ 0.2%, trifloxystrobin + propineb @ 0.3%, metiram + pyraclostrobin @ 0.1% and fluxapyraxad + pyroxystrobin 0.06% (100%) completely inhibited the mycelial growth of *C. cassiicola* causing highest inhibition (100%) over control.

**Keywords:** *Alternaria leaf spot, Corynespora leaf spot, Cotton, fungicides and in vitro evaluation.*