

***In Vitro* Efficacy of Fungicides against *Alternaria* and *Corynespora* Leaf Spot Pathogens Infecting Cotton**

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ABSTRACT

An experiment was conducted to test *in vitro* efficacy of eleven different fungicides against *Alternaria alternata* and *Corynespora cassiicola* causing *Alternaria* and *Corynespora* leaf spots, respectively, in Cotton, at Department of Plant Pathology, Agricultural College, Bapatla, during 2020-21. Among the eleven fungicides tested *in vitro*, it was observed that hexaconazole @ 0.2% showed complete inhibition of mycelial growth of *A. alternata* and *C. cassiicola* followed by propiconazole @ 0.1% (100 and 99.75%, respectively), metiram + pyraclostrobin @ 0.3% (98.67 and 98.61%, respectively), pyroxyystrobin + fluxapyraxad @ 0.06% (98.67 and 97.50%, respectively).

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