

## *In vitro* evaluation of fungicides and phytoextracts against *Alternaria tenuissima* -An incitant of pigeonpea [*Cajanus cajan* (L.) Millsp.] leaf blight

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### ABSTRACT

Pigeonpea leaf blight caused by *Alternaria tenuissima* is one of the most important foliar disease causing heavy losses under South Gujarat region. The present investigation was carried out to evaluate the inhibitory activity of different fungicides and phytoextracts against *A. tenuissima* and to find out the efficient fungicide and phytoextract at preliminary level. The experiment conducted in the P.G. Research Laboratory, Department of Plant Pathology, N.M.C.A., Navsari Agricultural University, Navsari. Different fungicides and phytoextracts were evaluated against the growth of *A. tenuissima* by using poisoned food technique. Among nine fungicides tested, cent per cent growth inhibition was observed in hexaconazole 4% + zineb 68%, propiconazole and tebuconazole at 500ppm and 1000ppm. Among all nine phytoextracts tested, lowest mycelial growth (21.00mm) was recorded in garlic leaf extract at 10 per cent with highest per cent growth inhibition (74.28 PGI).

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