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*Full Length Research Paper*

## Leaf blight of *Azadirachta indica* and its management *in vitro*

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### Abstract

Leaf blight, a moderate to severe foliar disease of *Azadirachta indica* was caused by *Colletotrichum dematium* and *Fusarium solani*. Previously *F. solani* was reported on *A. indica* but the presence of *C. dematium* is a new document. *F. solani* was highly virulent against seedlings of *A. indica* compared to *C. dematium* in seeds subjected to top of the paper method. *In vitro* management of these pathogens using Poison Food Technique suggested that of the seven fungicides tested at 50, 100 and 150 ppm concentrations, 100% growth inhibition was recorded in all the three concentrations of ContafPlus and Tilt against *C. dematium* whereas in *F. solani* all the three concentrations of Bavistin inhibited the growth of mycelial colony in the range of 88.54 - 86.32%. However, in both *C. dematium* and *F. solani* 50 ppm Blitox showed least inhibition.

**Key words:** *Azadirachta indica*, *Colletotrichum dematium*, *Fusarium solani*, Poison Food Technique.

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