

Screening the Clones of *Nothapodytes nimmoniana* against Leaf Spot Disease

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ABSTRACT

Nothapodytes nimmoniana is one of the high Camptothecin (CPT) yielding trees. Though the incidence of fungal leaf spot disease has been reported, except for the recordance of the disease, there was no systematic work carried out on various aspects of the leaf spot disease of *N. nimmoniana*. The pathogen associated with the leaf spot disease of *N. nimmoniana* was isolated and identified as *Cylindrosporium mappiae*. For the first time, screening of the forty-four clones of *N. nimmoniana* against leaf spot disease was carried out in the clonal orchard of the College of Forestry, Sirsi. The clones P_x and O from Pune and Mahabaleshwar respectively were moderately resistant to *Cylindrosporium* leaf spot disease. After two years of screening, it was found that two clones were moderately resistant, seven clones were susceptible, and 35 clones were highly susceptible to *Cylindrosporium* leaf spot disease.

Keywords: *Camptothecin, Fungal leaf spot, Nothapodytes nimmoniana* and *Screening*.