

Curvularia lunata on rose (rosaceae) plant reported from khindsi lake garden Ramtek (Kamptee, Nagpur) Region

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Abstract:-

Khindsi lake garden, Ramtek is one popular tourist place where large no of flower plant (Rose) available present investigation a rose plant show infected leaf with patches which on staining with L.P.C.B. Analysis observed large no of Curvularia lunata Infection.

Keyword :- (CMI) KEW Common weath mycological institute (LPBC) Lepto phenol cotton blue curvularia lunata, rosa damascena.

Introduction:

Curvularia lunata is commonly found Paddy, Songhum, citrus, black soil, Rice seedlings, it is a (mold hyphomycetes. member reported from tropical region. It is reported on rose plant rosa damascena (rosaceae) from Ramtek.

Infection started as a small brown spots on the leaf lamina later on developed dark brown patches, throughout plant. On the infected leaf a brownish - greyish growth / hardening lamina, detachment, cracking, defoliation is also observed.

Throughout the study of morphology of fungi Taxonomy and other details the literature was reviewed time to time. The references gave the information and update details prepares for the research. The supporting work has studied scientifically.

Review of Literature:-

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SACCARDO, P.A. 1889. Syll. fung. 14: 1089, MASON, E. W. 1928, Mycol. Pap. 2: 2-11. GROVES, J.W. and SKOLKO, A. J. 1945. Canad. J. Bot. 23: 101. SUBRAMANIAN, C.V. 1955. Proc. Indian Acad Sci. B 38:28-9, f. 2. LUTTRELL, E.S. 1956. Plant Dis. Reptr 40: 57-60, f1 D. PARMELEE, J.A. 1956. Mycologia 48: 558-67, f. 1-3. GILMAN, J. C. 1957. A Manual of Soil Fungi, p. 338. HUGHES, S. J. 1958. Canad. J. Bot. 36: 759.

Objective:-

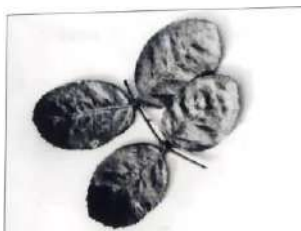
To enhanced the listing and evaluation of mycoflora of Kamptee, Nagpur region (Khindsi garden lake Ramtek). A rose plant family rosaceae (R. damascena infect) by fungi curvularia species (curvularia lunata).

Material & Methodology:-

1. Collection of Pathogen (Fungal Infection)
2. Sectioning of Sample (Herbarium)
3. Staining (L.P.C.B.)
4. Microphotography, Compilation of Data Along with
5. Magnified Camera Lucida Diagrams (Sketches).

Observation and Results:-

Shiny velvety black coloured growth on leaf of Rose plant, mycellium is septed & branched ConidioPhore dark brown, conidia boat-shaped, Curved with gradually middle one larger and side one is smaller appear like curved or boat shaped.



Result:-

New Host Rosa plant reported for *Curvularia lunata* (Hyphomycetes). The another contribution to mycoflora for garden on ornamented plant in Nagpur region (Rosaceae)

Conclusion:-

Conidia boat shaped, brown, 3-septate middle one larger than other two one give shaped & curved. Like boat. That is *Curvularia lunata* Border conidia arranged on Conidiophor with tip Host Pathogen Relationship identified by Koch's postulate. *Curvularia lunata* present on *Rosa damascena* (rose plant).

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