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RESEARCH ARTICLE

To study the pathogenicity of different isolated mycoflora in pigeonpea

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SUMMARY

Pathogenicity test was carried out in the pots to detect the pathogenic nature of isolated fungal species. Pathogenicity Test was carried out by various methods-seed- inoculation method, soil inoculation method, leaf inoculation method. Test was carried out of pigeonpea variety UPAS-120. Pathogenicity and pathogenic behaviour of 15 fungal species isolated from pigeonpea seeds. Studying the pathogenic nature of the mycoflora by inoculation them wit seed, soil or leaf only 9 sp were found pathogenic. They were *fusarium moniliformae, Alternaria alternate, Aspergillus flavus, A. niger, A. candidus cladosporium cladosporoides, Curvularia lunata and Rhizctonia solani.* Eight of them were found seed borne and caused seed borne and caused seed and root-rot, seedling blight, necrosis of seedling ultimately resulted in seedling mortality. The fungi like *Fusarium moniliformae , Alternaria alternata, Aspergillus flavus, Rhizctonia solani* were also found soil borne and caused seed rot, root rot, seedling blight and seedling infection. Leaf inoculation with funagal species like *Alternaria alternata, Cladosporium cladosporoides, curvularia lunata and Rhizoctinia solani* showed leaf blight symptoms.

Key Words : Mycoflora, Inoculation , Pathogenicity, Mortality

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