

RESEARCH ARTICLE

Detection and isolation of mycoflora associated with pigeonpea by seed washing test

■ S. N. Sharma

SUMMARY

Pigeonpea (*Cajanus cajan*) is important pulse crops grown in India. Pigeonpea [*Cajanus cajan* (L.) Mills.] is being grown in tropical and subtropical parts of the world and has got high protein content of 21 per cent. Nutritionally, it is very rich in protein and good source of amino acids, minerals and vitamins. Main constituents of pigeonpea per (100g of seed) are protein (21.9g), carbohydrate (72.7g) oil (1.5g) and minerals. Seed is the most important input for crop production. Pathogen free healthy seed is urgently needed for desired plant populations and good harvest. Seed mycoflora association in different varieties were detected by seed washing test. Seed washing test revealed the presence of *fusarium monilliformae* in 8, *Alternaria alternate* in 18, *Aspergillus* sp. In 14, *Curvularia lunata* in 5 and *Drechslera tetamera* in 2s varieties.

Key Words : Pigeonpea, Mycoflora, Seed born fungi

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