

Research Article

## Fungal Flora Associated with Seed of *Vigna sinensis* (L) by Incubation Test

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### Abstract

A major objective of seed health testing is the assessment of the planting value of seeds. Such test reveals not only the germination percentage of seed lot but also primarily disease that effect the successful establishment or development of healthy plants from seeds. The present paper is concerned with fungus associated with seeds of *Vigna sinensis* (L). Blotter and agar plate methods were used to study the seed-borne pathogen of *Vigna sinensis* (L). Twenty and twenty seven species of fungi were isolated among which *Alternaria alternata*, *Aspergillus flavus*, *Fusarium oxysporum*, *F. semitectum*, *Phoma vignae* and *Phomospsis* sp were present on seeds, both externally and internally. *Memnoniella echinata*, *Myrothecium roridum* and *Cladosporium herbarum* were isolated from both the methods but from unsterilized seed only. *Cephalosporium* sp, *Humicola brevis*, *Nigrospora sphaerica*, *Trichothecium roseum* and *Verticillium* sp were isolated only by agar plate methods from unsterilized seeds.

**Key words:** Fungal flora, seed-borne pathogen, *Vigna sinensis*

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