Detection of seed mycoflora of chilli and it’s impact on seed germination and seedling vigour

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SUMMARY
Seed samples of different cultivars of chilli viz., Phule Jyoti, Jwala, Agnirekha and Musalwadi were subjected to standard blotter method for analysis of external seed mycoflora. Observation on seed mycoflora revealed that, Aspergillus species, Fusarium oxysporum and Colletotrichum capsici were predominant fungi in all cultivars. When seeds were artificially inoculated with these fungi capable of reducing seed germination and seedling vigour index significantly.

Key words: Chilli, Seed germination, Seed mycoflora, Seed vigour