

## MANAGEMENT OF SEED-BORNE FUNGI OF FRENCH BEAN (*PHASEOLUS VULGARIS* L.) WITH FUNGICIDAL TREATMENT

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**Abstract:** Seeds of French bean (*Phaseolus vulgaris* L.) are infected during storage conditions, which affect the germination percentage. Seeds were evaluated using the agar plate method to determine the fungal association. Seven fungal species were isolated from the internal and external seed surfaces of French bean, viz., *Aspergillus flavus*, *Aspergillus niger*, *Fusarium solani*, *Mucor* spp., *Penicillium* spp., *Rhizopus oryzae*, and *Rhizopus stolonifer*. Seeds were treated with four fungicides viz. Captan, Dithane M45, Zim50, and Saff before germination to study the efficacy against seed-borne fungi. Out of four fungicides used, Saff and Dithane M-45 were found effective to control seed mycoflora of French Bean. Treated seeds showed better germination percentage as well as root and shoot length than control.

**Keywords:** Fungicide, Management, Mycoflora, *Phaseolus vulgaris* L., Seed-borne

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