## EFFECT ON BENLATE ON THE PHYLLOPLANE MYCOFLORA OF SOLANUM NIGRUM L.

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**Abstract**: Phylloplane fungal population of *Solanum nigrum* L. were examined after foliar application of fungicide –Benlate. There was qualitative and quantitative difference in the fungal population after treatment with the fungicide. The fungal population increased as the leaves matured. Benlate reduced the population of *Nigrospora sp.* and *Cladosporium* sp. The population of *Aspergillus flavus*, *A. niger* and *Tetracoccosporium* sp. was increased after the foliar spray of benlate.

Keywords: Effect of benlate, Phylloplane Micoflora, Solanum nigrum L.

## REFRENCES

**Bainbridge, A. and Dickinson, C.H.** (1972). Effect of fungicides on the microflora of potato leaves. *Trans. Br. mycol. Soc.* **59**: 31-41.

**Dickinson, C.H. and Wallace, B.** (1976). Effect of late applications of foliar fungicides on activity of micro-organisms on winter wheat flag leaves . *Trans Br. mycol Soc.* **76**: 103 -112.

Fokkema, N.J., J.A.J., Van De Larr, Nelis – Blomerg, A.L. and Schippers, B. (1975). The buffering capacity of the natural mycolflora of rye leaves to infection by Cochiobolus sativus, and its suspectibility to benomyl. *Neth. J.P. Path.* **81** : 176-186.

Singh, B.P. Singh, S.P. and mohammad, A. (1990). Economic efficacy of different fungicides for the control of leaf spot of cauliflower. *Indian Phytopathol.* **43**: 207-209.

Singh, P.N. and Indra, Rani Sindhu (1985). Studies on phyllospphere mycoflora of *Spinacea oleracea* Ph.D. Thesis, C.C.U Meerut, India.

**Chauhan, Summit, Jain, D.K., Anjali and singh, P.N.** (2003). Effect of Foliar application of chemicals on phylloplane microfungi of chilli leaf. *Acta .Bot.Indica.* 31-**32** : 51-60.

Hossian, M.M., Chowdhury, N. and Khan, A.I. (1993). Effect of fungicide on the production of healthy onion seeds . *Abstract* 5<sup>th</sup> *Biennial conf. Bangladesh Phytopathol. Soc.* P.7.

**Warren, R.C.** (1974). Differential effects of fungicides on phylloplane fungi isolated from oak. *Trans. Br. mycol. soc.* **62** : 215-218.