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Study of effects of organic pesticides: Endosulfan and Bifenthrin on growth of some soil fungi

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Abstract

The present study was conducted to check the effect of two organic pesticides including an organochlorine, endosulfan ($C_9H_6C1_6O_3S$) and a pyrethroid, Bifenthrin ($C_{23}H_{22}CI\ F_3O_2$) on three fungal species viz., *Aspergillus oryzae* (Ahlb.) E., *A. niger* Tiegh. and *Drechslera tetramera* (Mikinney) Subram. & Jain. Response of fungi towards different treatments was analyzed when the fungal mycelia were harvested at the end of incubation period. The data recorded for fresh and dry mass of fungal mycelium revealed a remarkable effect of organic pesticides in terms of a significant depression in growth pattern with increasing concentration of both the pesticide applied.

Keywords: Organic pesticides, endosulfan, bifenthrin, soil fungi.