

EFFICACY OF INDIGENOUS PRODUCTS AND CARBENDAZIM ON ALTERNARIA BLIGHT [(*ALTERNARIA LINI*) DEY] OF LINSEED (*LINUM USITATISSIMUM* L.) UNDER ALLAHABAD CONDITIONS

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ABSTRACT

The effect of indigenous products, namely mushroom compost, farm yard manure, poultry manure and vermicompost; chemical fungicide i.e. carbendazim (50 WP) were evaluated in a field experiment conducted at the research plot of the Department of Plant Protection, SHIATS, Allahabad, Uttar Pradesh, India, during the 2012-13 *rabi* seasons for the management of alternaria blight of linseed caused by *Alternaria lini*. The significantly increased of plant height (52.70 cm), capsules/plant (90.50), seeds/capsule (12.30), yield (13.18 q/ha), oil content (8.05 ml/20g) and fibre content (27.50g/100g) were observed in poultry manure as compared with other treatments. However significantly decreased percentage of disease intensity of *Alternaria lini* was observed at 90 days after sowing in carbendazim (24.21) as compared with poultry manure (27.43), vermicompost (30.99), spent mushroom compost (36.66) and FYM (41.72) including control (42.66). Whereas, control plot and farm yard manure were not significantly differ from each other.

KEYWORDS: *Linum usitatissimum* L., *Alternaria lini*, FYM, Poultry Manure, Mushroom Compost, Vermicompost and Carbendazim (50 WP)