

Evaluation of fungicides as seed treatment against coriander wilt disease caused by *Fusarium oxysporum* f.sp. *corianderii*

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ABSTRACT

Among all the tested fungicides, complete inhibition of the fungal growth *i.e.* 100.00 per cent was recorded with Bavistin (carbendazim) at 200 ppm and 500 ppm the tested concentrations. The next best fungicides in order of fungal growth inhibition were Carbendazim + Mancozeb (companion), Topsin-M (thiophanate methyl), Vitavax (carboxin + thiram) and Benomyl (benlate) which inhibited the fungal growth by Carbendazim was found significantly superior at 200 and 500 ppm with (100%) inhibition of mycelial growth followed by Companion and Topsin-M at 500 ppm and with (100%). Seed treatment with Bavistin (carbendazim) resulted in lowest wilt incidence (10.39%) result showed that increase with seed yield 1011.15 kg/ha was recorded in Carbendazim followed by companion that showed wilt incidence of 12.22 per cent. Both these fungicides were found to be statistically at par with each other. Next effective seed dresser were Topsin-M and Vitavax that showed wilt incidence of 14.33 and 21.55 per cent, respectively. These fungicides were found to be at par with best fungicides. Seed treatment with Benomyl were found to be least effective which showed wilt incidence of 24.15 per cent and decrease with seed yield 617.90 kg/ha was recorded both the years.

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