

In vitro efficacy of fungitoxicants on the growth of *Fusarium oxysporum* f.sp.*carthami* isolates causing wilt of safflower

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ABSTRACT

Fusarium oxysporum f.sp. *carthami* causes wilt of safflower and results in a considerable yield loss. The efficacy of five fungitoxicant at 1,10,25,50,100,500 and 1000µg/ml concentrations were tested against nineteen isolates of *Fusarium oxysporum* f.sp.*carthami*. As the concentrations of fungitoxicants increased, the per cent inhibition also increased. Carbendazim was best fungicide for inhibiting the growth of *Fusarium oxysporum* f.sp.*carthami* followed by Propiconazole, Thiram, Captan and Copper oxychloride. Even 1g/ml of Carbendazim was equal or better than 1000 µg/ml of rest of the fungicides in inhibiting the growth of *Fusarium oxysporum* f.sp.*carthami*.

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