

RESEARCH ARTICLE

Management of basal bulb rot of onion (*Allium cepa* L.)

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ABSTRACT

Basal bulb rot of onion causes considerable damage. The causal organism was isolated from infected bulbs of onion. The fungus culture was identical as *Fusarium oxysporum* f.sp. *cepae* on the basis of morphological characters. In screening, it was observed that all onion genotypes were susceptible to highly susceptible to basal bulb rot of onion but none of the genotypes was found resistant to disease. It was observed that benomyl (0.1%), carbendazim (0.1%) and Bordeaux mixture (1%) alone and in combination, treatments benomyl + mancozeb (0.1 + 0.2%) and carbendazim + mancozeb (0.1 + 0.2%) inhibited 100 per cent growth of the pathogen. Among the bioagent, *Trichoderma viride* inhibited maximum growth and was at par with *Trichoderma harzianum*.

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