

RESEARCH ARTICLE

Effect of artificial injuries and fresh neck cutting against black mould (*Aspergillus niger*) on onion bulb

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ABSTRACT

Experiment was conducted to determine effect of artificial injuries and fresh neck cutting to onion bulb on incidence of black mould disease. Onion bulbs were artificially injured at different sites *viz.*, top, side, bottom, scattered and fresh neck cutting. Injured and un injured onion bulbs were inoculated with spore suspension (1×10^6 /ml) of *Aspergillus niger*. Without dipping in conidial suspension were served as check. The selected bulbs were packed in sterilized polythene bags and stored at room temperature for 21 days. Maximum black mould disease intensity (38.86 %) and weight loss (5.44 %) was recorded in the fresh neck cutting followed by top, scattered, middle and bottom injuries. The check treatment recorded minimum black mould (10.81 %) intensity and weight loss (2.66 %).

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