

Morphological identification of *Aspergillus* species isolated from fresh grape and raisin in Rafsanjan markets

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Acta Horticulturae 963: 51-53. 2012.

Abstract

The incidence of *Aspergillus* species on grape (*Vitis vinifera*) and raisin in Rafsanjan, Kerman province, was studied. Samples including grape and raisin were taken from markets. In order to isolate *Aspergillus* species the samples were assayed in three methods; culturing on PDA either with or without surface disinfection as well as putting on filter paper inside desiccators containing sterile distilled water. Fungal purification was performed based on single conidial head isolation. In the surface disinfected method on PDA only *Aspergillus* section *Nigri* was recovered which included *A. niger*, *A. tubingensis* and *A. citricus* species. On the other hand, without surface disinfection and desiccators' isolation methods *Aspergillus* section *Nigri* and section *Flavi* were detected. Overall, *Aspergillus* section *Nigri* was the most common species in grape and raisin in Rafsabjan markets.