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Evaluation of the Nematicidal *Effect of Some Mushroom Fungi and Yeast Strains against the Root Knot Nematode *Meloidogyne arenaria**

Salem E A

Ministry of Agriculture, Egypt

Fifteen strains of mushrooms and nine of yeasts were in vitro evaluated individually against the second stage juveniles (J2s) of *Meloidogyne arenaria* to evaluate their nematicidal effect. Each strain was tested either on solid medium in petri dishes or by using fungal filtrates in test tubes containing 100 J2s of *M. arenaria*. Results obtained after 24 h and 48 h of exposure period indicated that, four strains of mushroom (*Stropharia regoseannulata*, *Coprinus comatus*, *Lentinula edodes* and *Volvurella volvacea*)

gave highly mortality percentage of the juveniles. However *L. edodes* was the most effective strain, since it attained 100 % mortality percentage 24 h of exposure period, whether on solid medium or using the fungal filtrate. Four strains of yeasts (*S. cerevisiae* QKS1, *S. cerevisiae* QOS1, *S. cerevisiae* OY and *Rhodotorula rubra* NY) were considered as the most effective isolates where attained 100 % mortality percentage 24 h or 48 h of exposure period.

emadabdelaziz2002@yahoo.co.uk