

**PLANT PARASITIC NEMATODES OF TYLENCHIDA (NEMATODA)  
ASSOCIATED  
WITH MELON GROWING IN DIYARBAKIR PROVINCE, TURKEY**

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**Abstract**

Plant parasitic nematodes found on melon (*Cucumis melo* L.), growing in two towns (Bismil and Ergani) in the Diyarbakir province of Turkey, were examined faunistically and taxonomically. This study was carried out during the summer of 2001-2002. Samples were taken from 5 different melon fields and examined in the laboratory. Soil analysis revealed the presence of twelve nematode genera and twenty one species. Of these, *Rotylenchulus borealis* Loof & Oostenbrink, 1962 was recorded for the first time in Turkey. The identification, distribution in Diyarbakir and morphological and morphometric characteristics are incorporated herein. The other common nematode species encountered were *Filenchus cylindrica* (Wu, 1969) Siddiqi 1986, *Boleodorus (B.) thyllactus* Thorne, 1941 and *Ditylenchus destructor* Thorne, 1945..