

**POPULATION DYNAMICS OF PLANT PARASITIC
NEMATODES ASSOCIATED WITH
MULBERRY IN EGYPT**

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Abstract

Seasonal fluctuation of plant parasitic nematodes associated with mulberry showed a peak of *Rotylenchulus reniformis* in March and August which was negatively correlated ($r = 0.03$) with the prevalent soil temperature. Population of *Paratylenchus* sp., showed a peak in January, May and July which was negatively correlated ($r = 0.01$) with the soil temperature. High nematode populations were found at soil depth of 0-10 and 11-30 cm at a distance of 1 and 3 m respectively, from the trunk of mulberry trees.