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ABSTRACT BOOK

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Reaction of the olive cultivars to *Meloidogyne ethiopica*

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The resistance of three olive cultivars (Arberquina, Koroneiki and Manzanilla) to *Meloidogyne ethiopica* was studied. Plantlets of the distinct genotypes were inoculated with 10.000 eggs + second stage juveniles/plant with a pure *M. ethiopica* population. Tomato plants 'Santa Cruz' similarly inoculated with the same nematode level served as control. The experiment was conducted under a randomized design with six replicates per treatment in a greenhouse at 25 ± 2 °C. Six months after the inoculation, roots of each plant were evaluated for gall number and nematode reproduction factor (RF). The host reaction of each cultivar was rated according to RF (Pf/Pi), as immune RF=0.00, resistant RF<1.00 and susceptible RF>1.00. All the olive cultivars behaved as immune whereas the control presented the RF=38.85.