

RESPONSE OF SOME SUNFLOWER CULTIVARS TO PARASITISM BY THREE NEMATODE SPECIES

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Abstract

Reaction of three sunflower (*Helianthus annus* L.) cultivars were tested against the infection of *Rotylenchulus reniformis*, *Meloidogyne javanica* and *M. incognita* under greenhouse conditions. Rate of nematode development and reproduction greatly differed according to nematode species and cultivars tested. Cv. Giza 1 was highly susceptible to *M. javanica* and *M. incognita*; while it was a less susceptible host to *R. reniformis*; cv. Mekhatt was highly susceptible to *M. incognita* and moderately susceptible to *M. javanica* and *R. reniformis*; cv. Miak was highly, moderately and less susceptible respectively to *M. incognita*, *M. javanica* and *R. reniformis*.