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Effects of seedling age and mechanical wounding of roots on the interaction between *Macrophomina phaseolina* and *Meloidogyne javanica* on green beans

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Two separate greenhouse pot experiments were conducted and the effect of the seedling age at inoculation and the mechanical wounding of roots on the development and severity of charcoal root rot/root-knot disease complex caused by the interaction between *Macrophomina phaseolina* and *Meloidogyne javanica* on green beans cv. "Contender" were examined. Results showed that as the age of seedlings at inoculation increased from 4 to 6 weeks, the severity of the disease complex decreased and the nematode reproduction was suppressed. However, the mechanical wounding of roots at inoculation with both pathogens increased the root-rot index, root galls, fungal re-isolation (%) and number of eggs/roots, while decreasing the plant growth.

Biography

S N Al-Nadhari has completed his PhD in Plant Pathology (Plant Nematology) from College of Food and Agriculture, King Saud University, Saudi Arabia in 2014. He is working as Researcher and Reviewer in Technology and Innovation Unit in Rector's for Graduate studies & Scientific Research Sciences.

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