

## **Pathogenic potential of *Meloidogyne incognita* (Race 1) on chickpea**

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**ABSTRACT :** A pot experiment was carried out to find out the pathogenic potential of root-knot nematode, *Meloidogyne incognita* (Race 1) in chickpea var. PUSA 1103. The nematode was found highly pathogenic to chickpea at the inoculum level of 1000 and 10,000 J<sub>2</sub>/kg of soil. Significant reduction in plant growth characters viz. shoot-length, shoot-weight, root-length and root-weight was observed as the inoculum level of *M. incognita* juveniles increased which were highest in the check and lowest in 10,000 level of J<sub>2</sub> inoculum. Significant increase in the root-knot index, number of nematodes in root and final population of root-knot nematode in soil as the inoculation level increased.

**Key Words :** Pathogenic potential, *Meloidogyne incognita*, chickpea.