

## **SURVEY OF RICE ROOT-KNOT NEMATODE (*MELOIDOGYNE GRAMINICOLA*) ASSOCIATED WITH DIFFERENT VARIETIES OF RICE IN ALLAHABAD DISTRICT IN UTTAR PRADESH**

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**ABSTRACT :** Systematic survey of root-knot nematode associated with rice cultivars (Poonam, Pant-12, Loknath-505, Pant-10, M-36, Tata Massoori, Basmati and Saket) in rice fields of Allahabad district. Root samples were collected during heading stage and the no. of galls/root system and number of larvae/gm of infected root were determined. The max. no. of galls/root system (19.46) was recorded in Pant-12 followed by Saket (14.92) and Tata Massoori (13.40). The maximum no. of larvae/gm of infected roots (40.50) was recorded in Pant-12, followed by Poonam (39.00) and Pant-10 (36.00). On the other hand the roots of Loknath-505 and M-36 did not show any root-knot. The results indicated that Loknath-505 and M-6 were highly resistant and the remaining 6 cultivars, were susceptible to root- knot nematode.

**Key Words :** *Meloidogyne graminicola*, rice varieties.