

Report of root-knot nematode in medicinal plants from Assam

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ABSTRACT : A roving survey was carried out throughout 25 districts of Assam, to see the occurrence and incidence of root-knot nematode (*Meloidogyne* spp.) in four medicinal plants viz., Pippali, Sarpagandha, Brahmi and Boch. Out of four medicinal plants studied, three of these plants viz., Pippali, Sarpagandha and Brahmi were found to be susceptible to root-knot nematodes. The highest per cent occurrence of root-knot nematode was observed in Brahmi, that is 43 per cent, followed by Pippali and Sarpagandha with 32 and 25%, respectively. Study on seasonal incidence of root-knot nematode revealed that highest incidence of 39, 51 and 45 percent was found in summer season in Pippali, Sarpagandha and Brahmi, respectively. The species identification has confirmed that the nematode species found in all the three crops is *M. incognita*.

Key Words : Brahmi, Boch, Pippali, Root knot nematode and Sarpagandha.