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Effect of bidi tobacco dust on root-knot nematode (*Meloidogyne incognita*) attacking bidi tobacco seedlings

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ABSTRACT : Studies on the effect of bidi tobacco dust on root-knot nematode attacking bidi tobacco seedlings cv. Anand 119 (A 119) revealed that application of tobacco dust, 10 days prior to sowing (10 DPS), adversely affected the germination of tobacco seeds, number of transplantable and total surviving seedlings. All these characters were reduced with the increase in doses of tobacco dust. However, addition of tobacco dust, 10 DPS, @ 1, 5 and 10 per cent, reduced the root-knot infected seedlings, root-knot index, number of females, egg masses and soil population than control. Its highest dose of 10 per cent was most effective in this respect closely, followed by 5 and 1 per cent.

Key Words : Tobacco dust, root-knot nematode, bidi tobacco, seed germination, seedlings.