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Evaluation of neem and other plant products as seed coating against root-knot nematode, *Meloidogyne incognita* (Race-1) infesting chickpea (*Cicer arietinum* L.)

Parul Agarwal[1], A.K. Chaubey[1] and S.D. Mishra[2]

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ABSTRACT : A pot experiment was carried out in an eco-friendly manner to observe the nematicidal efficacy of various plant products viz. neem seed powder, neem seed cake, fresh and dried leaves of *Calotropis procera*, fresh and dried leaves of *Datura metel*, and latex of *Calotropis procera* as seed coating. All the treatments were found to be effective in managing root-knot nematode infestation upto significant level and were superior over check. Maximum increase in shoot-length and shoot-weight, root-length and root-weight was observed with the seed coating of latex of *Calotropis procera* @ 10 % w/w, which was followed by fresh leaves of *Datura metel* and *Calotropis procera* at 10% concentration.

Key Words: Neem, botanicals, root-knot nematode management.

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