



**English Title:** Management of *Heterodera cajani* on pigeonpea with nematicides and organic amendments.

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**Abstract:**

A study was conducted in a glasshouse to investigate the efficacy of some nematicides and organic amendments for managing *H. cajani* on pigeon pea cv. Bahar. Sterilized sandy loam soil and compost in 3:1 ratio were treated with 2 nematicides (phorate and **carbofuran**), each at 2 kg/ha, and 3 organic amendments (linseed cake, mustard cake and neem [*Azadirachta indica*] cake), each at 5 q/ha. The treated soils were filled in 15-cm earthen pots. Sterilized seeds of Bahar were sown in pots after 7 days of nematicide application and organic amendments. One-week-old plants were inoculated with 500 second stage juveniles of *H. cajani*. All the nematicides and organic amendments significantly reduced the population of the nematode on the test crop. The maximum plant growth was obtained with neem cake-amended soil, followed by mustard cake, **carbofuran**, linseed cake and phorate-treated soils. The amended soil significantly reduced the final population of the nematode. The maximum reduction in population (cysts, males, egg sacs, eggs and juveniles per pot) was recorded in **carbofuran**-amended soil, followed by phorate, neem cake, mustard cake and linseed cake-amended soils.

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