

*Pak. J. Nematol.*, 15 (1 & 2): 65 – 69, 1997.

**EFFECT OF CHITIN AMENDMENTS IN THE CONTROL  
OF PLANT PARASITIC NEMATODES ASSOCIATED  
WITH COWPEA**

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**Abstract**

Seedling emergence of cowpea increased in soil where chitin was used @ 1% w/w whereas higher dose significantly inhibited seedling emergence. Dry weight of plants increased with the increase in the concentration of chitin upto 2% but amendment with 3 or 4% chitin caused a progressive decrease in the dry weight of plants. Use of chitin from 0.25 to 4% showed a progressive decrease in the population of plant parasitic nematodes and increase insaprophytic nematodes when chitin was used @ 1% w/w.