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Studies on the effect of pesticides on nematodes attacking onion.

The study was carried out in the Eastern University to evaluate the efficiency of pesticides on nematodes attacking onion (*Allium cepa*) (Nematicides) Carbofuran 3y.Gr 2g/pot, (Fungicide) Captan 80% wp or 50% wp 2g/pot, Neem seed kernel (20g/pot) and Lakada (20g/pot) (*Gardenia forsteri*) leaf bud (as botanicals) and soil sterilization were used as treatments. All the treatments except Captan were applied as basal. But Captan was applied at weekly interval. Nematode species found in the infested soil sample were *Aphelenchoides besseyi*, *Xiphinema elongatum* and *Helicotylenchus evansii*. All the treatments were tested in onion plants grown in plastic pots for two months. Leaf height, number of damaged leaves, number of leaves, number of nematodes were measured weekly interval and yield was measured at harvest. Soil sterilization was the most effective in reducing the nematodes among the treatments with lowest leaf damages and highest yield. Neem seed kernel and Carbofuran also found to be very compared to Captan and Lakada.