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Integrated approaches of phytonematodes management by organic soil amendments and ploughing

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Abstract

In a field study the efficacy of various organic amendments, ploughing and nematicides were evaluated against population build up of phytonematodes on carrot crops. The integrated application of organic amendment and ploughing was found very effective to control the phytonematodes, infecting carrot plantations. The soil populations of phytonematodes were significantly reduced by integrated application of organic amendment and ploughing. As a consequence of nematode suppression, plant growth characters of carrot plants were improved. The efficacy of these treatments was enhanced in deep ploughed beds as compared to normal ploughed beds.