

Impact of certain biopesticides to manage leaf curl disease and its vectors in chilli

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ABSTRACT

A supervised field experiment was conducted in the chilli during *Rabi*, 2014-15 to study the impact of certain biopesticides in leaf curl disease and its vectors *viz.*, thrips and mites. The treatments were application of Nanma @ 1 per cent (T_1), application of neem oil 0.15EC @ 0.3 per cent (T_2), application of Sonata @ 0.1 per cent (T_3), alternate spray of T_1 , T_2 and T_3 (T_4) and untreated check (T_5). It was found that thrips and mites population was higher in untreated check (0.80 and 1.39, respectively) while a low population was recorded in the treatment with the alternate spray of T_1 , T_2 and T_3 (0.10 and 0.16, respectively). Similarly lowest leaf curl index was recorded in alternate spray of T_1 , T_2 and T_3 (T_4) (0.20) followed by application of neem oil 0.15EC @ 0.3 per cent (T_2) (0.21). It can be concluded that alternate spray of nanma @ 1 per cent, neem oil 0.15 EC @ 0.3 per cent, sonata @ 0.1 per cent can reduce leaf curl disease incidence in chilli.

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