



Comparative efficacy of chemical and botanical pesticides against citrus leaf minor (*Phyllocnistis citrella* Stainton)

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ABSTRACT

The investigation was conducted with 8 Treatments:- Dimethoate 30 EC @ 0.03 per cent, Abamectin 1.8 EC @ 0.003 per cent, Spinosad 45 SC @ 0.03 per cent, Acetamiprid 20 SP @ 0.04 per cent, Imidacloprid 17.8 SL @ 0.005 per cent, *Neem* oil 2 per cent, NSKE 5 per cent and control (water spray) on citrus leaf minor. Such treatments were arranged in statistical design RBD with three replications. In overall, cumulative effect of 3 applications of all the treatments T₅ Abamectin 1.8 EC (0.003%) recorded lowest (7.66%) leaves infestation of leaf minor and found at par with T₂ Spinosad 45 SC (0.03%) *i.e.* 8.42 per cent leaf infested. The next best effective treatments, T₄ Acetamiprid 20 SP (0.04%), T₃ Imidacloprid 17.8 SL (0.005%), T₁ Dimethoate 30 per cent (0.03%), T₆ *Neem* oil (2%) and T₇ NSKE (5%) with infestation of 9.37 per cent, 10.46 per cent, 13.08 per cent, 14.63 per cent and 15.21 per cent, respectively and these treatments groups were at par with each other. Maximum infestation of leaf minor was noticed in control (water spray) is 24.75 per cent.

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