

EVALUATION OF DIFFERENT INSECTICIDES AND PLANT PRODUCT AGAINST CHILLI THRIPS, *SCIRTOTHRIPS DORSALIS* AND THEIR EFFECT ON NATURAL ENEMIES

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Abstract: Ten insecticides viz, fipronil 5% SC, emamectin benzoate 5 SG, profenofos 50 EC, chlorpyrifos 20 EC, dimethoate 30 EC, indoxacarb 15.8 EC, metasystox 25 EC, neem oil 1%, agroneem 1.5% and NSKE 5% were evaluated under the field condition for ascertaining their bio-efficacy against chilli thrips, *Scirtothrips dorsalis*. Among the insecticides tested fipronil 5 SC @ 1000ml and emamectin benzoate 5 SC @ 250gm were equally found to be most effective against thrips. The application of emamectin benzoate 5 SG, and neem products were found safer for natural enemies (coccinellid beetle, *Menochilus exmaculatus*, staphylinid beetle, *Paederus* spp. and spider). The insecticides like fipronil 5 SC @ 1000ml/ha, chlorpyrifos 20 EC @ 1250 ml/ha, dimethoate 30 EC @ 850 ml/ha, indoxacarb 15.8 EC @ 500 ml/ha and metasystox 25 EC @ 750 ml/ha were also not harmful to the natural enemies of chilli pest.

Keywords: Insecticides, Chilli thrips, Natural Enemies

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