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

Mithlesh Kumar Sahu1, Yugal Kishore Yadu2 and Devender Verma*3

Indira Gandhi Agricultural University, Raipur, Chhattisgarh 492 006

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Abstract: Ten insecticides viz. fipronil 5% SC, emamectin benzoate 5 SG, profenofos 50 EC, chlorpyriphos 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, staphyllinid beetle, Paederus spp. and spider). The insecticides like fipronil 5 SC @ 1000ml/ha, chlorpyriphos 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

REFERENCES


*Corresponding Author