

Research Paper :

Evaluation of eco-friendly management module in comparison with farmers practices against chilli sucking pests

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SUMMARY

The field trial was conducted at Negamum, Coimbatore district to compare the eco-friendly and farmers practice. Eco-friendly practice includes plant growth promoting Rhizobacteria (PGPR), *Pseudomonas fluorescens* Migula, plant growth regulator, naphthalene acetic acid (NAA), neem oil and their combinations against chilli thrips, *Scirtothrips dorsalis* (Hood), green peach aphid, *Myzus persicae* (Sulzer) and chilli mite, *Polyphagotarsonemus latus* (Banks). The results revealed that application of *P. fluorescens* + NAA + neem oil resulted in effective control of chilli thrips, *Scirtothrips dorsalis* (Hood), green peach aphid, *Myzus persicae* (Sulzer) and chilli mite, *Polyphagotarsonemus latus* (Banks). The eco-friendly plot recorded the yield of 14,937 kg/ha with cost benefit ratio of 3.24 while farmers field recorded the yield of 14,330 kg/ha with cost benefit ratio of 3.64.

Key words :

Myzus persicae,

Naphthalene

Acetic Acid,

neem oil

Polyphagotarso-

nemus latus,

Pseudomonas

fluorescens,

Scirtothrips

dorsalis

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