

Bio-efficacy of different insecticides against leaf hopper, *Empoasca kerri* Pruthi (Cicadellidae: Hemiptera) in clusterbean

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ABSTRACT

Experiments were conducted during three consecutive *Kharif* seasons (2015-17) to study the effect of commercially available insecticides formulations *i.e.* Acetamaprid 20 % SP (0.4 g/ litre of water), Imidacloprid 17.8 % SL (0.33 ml/ lit.), Quinalphos % 25 EC (2.0 ml/ lit.), Thiamethoxam 25 % WG (0.5 g/ lit.), *Neem* (*Azadirachta indica*) oil 2% (20 ml/lit.), *Karanj* (*Pongamia pinnata*) oil 2% (20 ml/lit.) against the Jassids, *Empoasca kerri* Pruthi in *Clusterbean*. The order of most effective insecticide was: Imidacloprid > Thiamethoxam > Acetamaprid. The maximum population reduction over control after 7 days of second spray was 71.76 and 70.14 per cent due to Imidacloprid, and Thiamethoxam during 2015. The same trend was found in 2016 and 2017. Thus, Imidacloprid was found most effective against the Jassids, *Empoasca kerri* Pruthi (Cicadellidae: Hemiptera).

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