

Bio-efficacy of bio-pesticides against jassid, *Empoasca kerri*, Pruthi infesting groundnut

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ABSTRACT

An experiment was conducted to evaluate the bio-efficacy of bio-pesticides against jassid, *Empoasca kerri* Pruthi infesting groundnut at Instructional Farm, College of Agriculture, Junagadh during Summer season of 2014-15. The results revealed that thiamethoxam 0.01 per cent and acetamiprid 0.004 per cent were found most effective treatments against the pest. Among the bio-pesticides, combination of *B.bassiana* @ 1.25 kg/ha + thiamethoxam 0.005 per cent was found most effective against jassid. While the combinations of *V. lecanii* @ 1.0 kg/ha + thiamethoxam 0.005 per cent was found moderately effective against jassid. Thiamethoxam 0.01 per cent recorded the highest pod yield of groundnut (1344 kg/ha) followed by acetamiprid 0.004 per cent (1275 kg/ha). As far as economics of various insecticides are concerned, thiamethoxam 0.01 per cent gave the highest cost benefit ratio (1:17.82) followed by *B. bassiana* @ 1.25 kg/ha + thiamethoxam 0.005 per cent (1:13.96).

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