

RESEARCH PAPER

Bio-efficacy of insecticides against aphid (*Aphis craccivora* Koch) infesting cowpea [*Vigna unguiculata* (L.) Walp.]

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Eleven different insecticides were evaluated for their efficacy against *A. craccivora* at Regional Horticulture Research Station, ASPEE College of Horticulture and Forestry, Navsari Agricultural University, Navsari, Gujarat during *Rabi* season of the year 2013-2014. The treatment imidacloprid 0.005 per cent (0.19 aphid index/plant) was found to be most effective followed by thiamethoxam 0.01 per cent (0.33 aphid index/plant). *Verticillium lecanii* 0.40 per cent (0.58 aphid index/plant), azadirachtin 0.002 per cent (0.62 aphid index/plant) and dimethoate 0.03 per cent (0.77 aphid index/plant) were the next in order. The highest marketable pod yield (30.37 q/ha) and maximum per cent increase in pod yield of cowpea over control (84.28 %) was recorded from the plots treated with thiamethoxam 25 WG @ 0.01 per cent.

Key words : Bio-efficacy, Imidacloprid, Cowpea, Aphids

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