

COMPARATIVE EFFICACY OF NOVEL INSECTICIDES AND BIO- PESTICIDES ON LARVAL POPULATION DENSITY OF GRAM POD BORER (*HELICOVERPA ARMIGERA* HUBNER) ON CHICKPEA

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Abstract: Field study was conducted to determine the comparative efficacy of lambda-cyhalothrin 5 EC, fenvalerate 10 EC, indoxacarb 14.5 SC, quinalphos 25 EC, spinosad 45 SC, neemarin 1500 ppm and *Ha* NPV against the larval population of gram pod borer, *Helicoverpa armigera* on chickpea in the experimental research area of Crop Research Centre of Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut-250110 (U.P.) during Rabi 2011-12. The efficacy of the insecticides was ascertained by comparing treated plots with the control plots. All the insecticides resulted in significant reduction in the larval population density of the pest in comparison with control. However, indoxacarb 14.5 SC proved to be the best insecticide followed by spinosad 45 SC, lambda-cyhalothrin 5 EC, quinalphos 25 EC, fenvalerate 10 EC, neemarin 1500 ppm and *Ha* NPV respectively.

Keywords: Chickpea, Gram pod borer, Larval population

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