

RESEARCH ARTICLE

Seasonal incidence and efficacy of certain low risk insecticides against *Amarasca devastans* distant on brinjal

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ABSTRACT

A field experiment was conducted to study the seasonal incidence and efficacy of certain low risk newer insecticides against *Amarasca devastans* on brinjal. The peak incidence of *A. devastans* was recorded during last week of October 2011 and in which the incidence had non-significant relationship with abiotic factors like maximum temperature, minimum temperature, relative humidity and rainfall but significant relationship with biotic factors like coccinellid beetles as well as spiders. Regarding the efficacy of insecticides, the results indicated that new group of insecticides like neonicotinoids showed higher efficacy in controlling *A. devastans* population. Among all the treatments, imidacloprid 17.8 % SL and thiamethoxam 25 WG were highly effective in reducing the population of *A. devastans* on brinjal. Other combination treatments like azadirachtin + imidacloprid, azadirachtin + thiamethoxam, azadirachtin + spinosad, and azadirachtin + triazophos showed moderate efficacy in reducing the *A. devastans* population.

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