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Bioefficacy of newer insecticides and biopesticides against brinjal shoot and fruit borer *Leucinodes orbonalis* Guenee (Lepidoptera : Pyralidae)

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ABSTRACT

A field experiment were carried out for two consecutive *Rabi* seasons 2013-14 and 2014-15 at Student's Instructional Farm, N.D. University of Agriculture and Technology, Kumarganj, Faizabad (U.P.). Among the various insecticides evaluated against brinjal shoot and fruit borer (*L. orbonalis*), Emamectin benzoate 5 SG @ 12.5g a.i./ha treated plots showed lowest infestation and gave higher fruit yield (253.12) followed by Flubendiamide 480 SC (249.33) and Novaluron 10 EC (243.63). The boipesticide NSKE 5 per cent most effective followed by *Bacillus thuringensis, Verticellium lecanii* and *Beauveria bassiana*. The highest cost: benefit ratio was obtained from NSKE 5 per cent (1:24.40) followed by Indoxacarb 14.5 SC (1:24.13) and Emamectin benzoate 5 SG (1:24.03) which were also economical than other treatments.

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