



Comparative Toxicity and Susceptibility of Commonly used Insecticides against Brinjal Shoot and Fruit Borer, *Leucinodes orbonalis* in Punjab

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Abstract: The toxicity of five insecticides viz., cypermethrin, deltamethrin, fenvalerate, triazophos and quinalphos was evaluated against second instar larvae of brinjal shoot and fruit borer, *Leucinodes orbonalis* using the leaf disc dip bioassay technique for the populations collected from three different locations of Punjab. Based on the LC₅₀ values, cypermethrin was most toxic against all the tested populations with LC₅₀ values ranging from 0.002 to 0.008% except against Malerkotla where toxicity of triazophos (0.001%) was more. Quinalphos was least effective against all the tested populations with LC₅₀ values 0.006 to 0.047%.

Key Words: Brinjal, Insecticides, *L. orbonalis*, Susceptibility, Toxicity,
