

Efficacy of Some Plant Extract against Larvae and Pupae of American Bollworm (*Helicoverpa armigera*) including the Effect on Peritropme Membrane

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Abstract : The resistance of pesticide by the pest is an important matter of concern. The pesticide of plant origin having nontoxic biodegradable and environmentally friendly qualities. The frequent spraying of toxic chemicals is developing resistance to the pesticide. Leaf powder of the plants like *Argemone mexicana* and *Calotropis procera* is prepared, Different doses of these plant extracts are given to the Fourth instar stages of *Helicoverpa armigera* through feeding methods, to find their efficacy the experimental findings will be put under analysis using various parameters. The effect on peritrophic membrane is also studied.

Keywords : distillation plant, acetone, alcohol, pipette, castor leaves, gram pods, larvae of *Helicoverpa armigera*, plant extract, vials, jars, cotton

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