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## Genetic Resistance of Mango Mealy Bug against Sprayed Pesticides

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**Abstract**

Mango mealy bug being destructive pest of mango in Pakistan. This research was conducted to observe the resistance gained by this pest in recent era against commonly sprayed pesticides. The chemicals included, were bifenthrin, cypermethrin, triazophos; each pesticide with three different concentrations of low, medium and high as compared to control. Results showed that none of the concentration was found effective against mango mealy bug under laboratory conditions. When three pesticides along with their recommended dose, medium and higher were sprayed, insect's mortality was less in sprayed treatments as compared to control. These experiments explicitly revealed a threatening pest outbreak in mango eco-system. Further research should be carried out to understand its ongoing molecular process in insects to check its developed resistance.

**Keywords:** Mango mealy bug, insecticides, resistance, genetic resistance, mango.

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