

## Effective of Different Doses of Bacterial Insecticide Against *Trogoderma Granarium* (Everts)

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**Abstract :** The current study aimed to evaluate the activity of bacterial insecticide Vertinac against the second star larvae of *Trogoderma granarium* (Everts) by four treatments: A, B, C, D, at seven concentrations: 0.001, 0.01, 0.1, 1, 10, 100, 1000 PPM. The mortality rate of larvae was 100% at concentrations 10 and 100 in treatments A and B after 24 hours and after 48 hours in treatment D at 1 PPM. The efficiency of treatment A was greater as compared to treatment B at all concentrations and all exposure times. The efficiency of treatment D was greater as compared to treatment C; for example, at 0.001, 0.01, 0.1, 1 PPM, after 120 hours, the Mortality rate of larvae was 6.76, 13.33, 43.33, 100% in treatment D, which it was 0.00, 0.00, 23.33, 96.67%, respectively in the treatment C.

**Keywords :** bacterial insecticide, *trogoderma granarium* (everts), fourth star larvae, vertinac

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