

D-09 Effect of some selected insecticides and botanical against *Epilachna vigintioctopunctata*

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The insecticides-Methamidophos (Tamaron), Fenthion (Lebaycid) and the botanical, neem oil were tested against *Epilachna vigintioctopunctata* (Coleoptera : Coccinellidae) in the laboratory. Larval and adult survival is the parameter used in assessing the efficacy. This experiment was conducted on a randomized complete block design with 5 replicates. The results showed that Tamaron effectively controlled the larva and adult of *E. vigintioctopunctata* followed by Leybacid and neem oil ($p < 0.05$). Although neem oil did not significantly reduce ($p < 0.05$) the survival, it repelled the insect from feeding. The weight gain of the adults exposed to neem oil was relatively lower than the control. Therefore Tamaron at the rate of 800-100 ml/ha (28 ml in 18 l of water dilution) may be recommended to control this pest.