

ABSTRACT

This study was conducted at the Crop protection Laboratory of Capiz State University Burias Campus, Mambusao, Capiz from November 26, 2016 to December 29, 2016 to find out the most effective crude extract of the different botanical pesticides that will cause mortality of the test insects, to determine how long it will take to kill the different species of insects applied with different crude extracts of botanical pesticides and to determine the lethal concentration of the most effective botanical pesticide that will cause fifty percent (50%) mortality of the test insects. The study was composed of six treatments represented by different botanical crude extracts such as Makabuhay vines extract, Neem tree leaf extract, Hagonoy leaf extract, Badiang tuber extract, Lantana leaf extract, and recommended rate of Chemical (as control). Treatments were laid in a Completely Randomized Design (CRD) replicated three times. The Data gathered were subjected to Analysis of Variance using F-test and the results were interpreted at 5% level of significance. Differences among treatment means were determined using Tukey's Honest Significant Difference (HSD) Test.

Reducing the concentrations of the different crude plant extract resulted to a corresponding decrease in effectiveness in causing mortality of the test insects. Subterranean termites, Corn weevil, Copra beetle and Mungbean weevil treated with 100% concentration of different botanical crude extracts gave the highest mortality in short period of time.