

ABSTRACT

The insecticidal property of *Swietenia macrophylla* (mahogany) leaves spraying crude extract and fumes were tested on *Oecophylla smaragdina* (Weaver ants). The study determined the effectiveness of spraying crude extract and fumes of leaves of mahogany in killing/repelling using mortality rate of Weaver ants. The most effective preparation/concentration and role of time were also investigated. Fumes of mahogany leaves is an effective insecticide against weaver ants on the first 6 hours of exposure; likewise, spraying crude extract of leaves shows the same effect as the fumes. Fumes and crude extract of mahogany leaves showed to be an effective insecticide against weaver ants.

