



EVALUACIÓN BIOINSECTICIDA DE EXTRACTOS DE *BURSERA COPALLIFERA* (D.C.) BULLOCK Y *BURSERA GRANDIFOLIA* (SCHLTDL.) ENGL. EN GUSANO COGOLLERO *SPODOPTERA FRUGIPERDA* J.E. SMITH (LEPIDOPTERA: NOCTUIDAE).

ABSTRACT

This study evaluated the bioinsecticide activity of organic extracts of *Bursera copallifera* and *B. grandifolia* on L1 larvae of *Spodoptera frugiperda*. It is likely that the acetonic extract (500 ppm) of leaves of *B. copallifera* had an effect as an antifeedant on armyworm, causing a 50% reduction in larval weight at 14 days. It also produced 47% larval mortality, whereas the hexane extract produced 44% deformed pupae, and of the population that emerged from pupae, 14% were deformed as adults. Acetone and methanol extracts of leaves of *B. grandifolia* produced 37 and 45% larval mortality at 14 days, respectively, whereas the hexane extract from stems caused a larval mortality of 37% over the same period.

<http://www.herbario.encb.ipn.mx/pb/pdf/pb29/burse.pdf>

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Autores: L. Aldana Llanos*, D.O. Salinas Sánchez, Ma. E. Valdés Estrada, M. Gutiérrez Ochoa y M.G. Valladares Cisneros.