

A B S T R A C T

INVESTIGATIONS OF THE ANTIFEEDANT ACTIVITY
OF LEAF EXTRACTS OF CITRUS RETICULATA
ON THE SUGARCANE STEM BORER (*DIATRAEA SACCHARALIS* (F.)
AND THE FALL ARMYWORM (*SPODOPTERA FRUGIPERDA*).

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A solvent extract of the leaves of *Citrus reticulata* (Blanco) was bioassayed for its antifeedant properties against third-instar larvae of sugarcane borer *Diatraea saccharalis* and the fall armyworm *Spodoptera frugiperda*. Four concentrations of the extract (0%, 33%, 66%, 100%) were incorporated in artificial diets and feeding activity, growth and development of the insect were investigated. Extracts of the leaf showed antifeedant or feeding deterrent activity on the insects, especially *S. frugiperda*. Antifeedant reactions were noted only at high (66% and 100%) concentration levels.