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# The Effects of Azadirachtin on the Percentage of Glycogen Contents in Larvae of *Galleria mellonella*

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## ABSTRACT

The most active ingredient against insects, azadirachtin, a tetranortriterpenoid, manifests antifeedant, growth regulatory and fecundity-reducing properties in insects. Effects of azadirachtin extracts obtained from ripe fruits, seeds, trunk and flower of *Melia azedarach* and *Azadirachta indica* on total glycogen amount of *Galleria mellonella* was studied. Total glycogen synthesized were measured when the larvae reached their last larval stage after feeding them during 3rd stage with 1.00, 2.00, 4.00 and 6.00 mL/100 g azadirachtin compared with control insects while 33%, 42% and 50% decrease were observed in individual fed with 2.00, 4.00 and 6.00 mL/100 g azadirachtin containing feed respectively. *Azadirachta indica*; azadirachtin; *Galleria mellonella*; glycogen



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