

## Oviposition deterrence of *Acorus calamus* L. on melon fly, *Bactrocera cucurbitae* Coq.

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### Abstract

Laboratory experiments were conducted to assess oviposition deterrence of *Acorus calamus* L. extracts to the melon fly, *Bactrocera cucurbitae* COQ. Laboratory reared flies of uniform age were provided with substrates (2.5 cm<sup>3</sup> pumpkin pieces) treated with the extracts for oviposition and observations were taken on the mean number of ovipunctures and mean fecundity realization. Both aqueous and solvent extracts showed the deterrent effect, the latter being more effective. The mean numbers of ovipunctures, as well as the mean fecundity realization were inversely proportional to the increase in concentration of the extracts.

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