

ARTÍCULO CIENTÍFICO

PARASITOIDES ASSOCIATED WITH FRUIT FLIES IN FRUIT SPECIES IN THE MICRO-BASIN OF MAGDALENA RIVER PAUTE - ECUADOR

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Abstract

The fruit flies are pests of the great economic importance for the losses in fruit crops. An inventory of parasitoids associated with fruit flies was made in the micro-basin of River Magdalena (Bulán) and Algarrobo (Paute), during the season of harvest of the species hosts of fruit flies considered in this work, from may, 2015 to march, 2016. A total of weighing 489,54 kg of fruits was collected, 1572 adults of fruit flies were recovered, *Anastrepha fraterculus* (Wied.), *Anastrepha distincta* Greene., *Anastrepha obliqua* (Macquart) y *Ceratitis capitata* Wied. This study found a parasitoid of the family Braconidae, *Doryctobracon crawfordi* (Viereck), with an irregular distribution in the area studied. The parasitism rate was low 0,20% (*Prunus pérsica* L.), 1,88% (*Psidium guajava* L.) and 2,05 (*Annona cherimolia* Mill.). The most common specie of fruit flies in the area zone is *Anastrepha fraterculus* (Wied.) (60,88%) with a widely distribution. The Shannon – Weaver index in the zone was 0,69.

Keywords: Parasitism, *Anastrepha spp.*, Braconidae, *Doryctobracon*.

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