

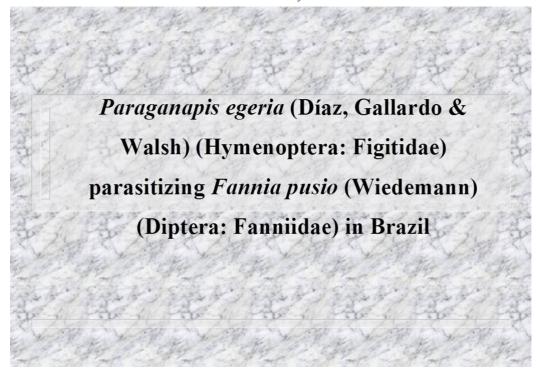
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New host-parasitoid relationship in Brazil

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New host-parasitoid relationship in Brazil was presented at the Tropical Pathology and Published Health Seminar of the Federal University of Goias.



Figure



- Adults Fannia pusio (Wiedemann) (Diptera: Fanniidae) are often found associated with the man-modified environment, with their larvae growing on decaying organic matter.
- Eucoilinae (Hymenoptera: Figitidae) are endoparasitoids that lay their eggs in the larval stage of Diptera Cyclorrhapha and emerge as adults from their host puparium. *Paraganaspis egeria* (Díaz, Gallardo & Walsh) is probably the second stage larva parasite of its hosts. The objective of this paper is to report the occurrence of Paraganaspis egeria parasitoid parasitizing *F. pusio* in Brazil.

Figure

The flies were attracted to traps consisting of dark-colored cylindrical metal cans, measuring 19 cm height and 9 cm diameter, with two openings measuring 30 mm in width, located in the lower third of the can, to allow flies to enter. Human feces, fish, bovine liver, and chicken served as bait for attracting the flies. Sixteen traps were used, spaced two meters apart. These were hung on trees at a height of one meter above the ground. Four traps were utilized for each type of bait. The collected insects were taken to the laboratory, sacrificed using ethyl ether and kept in 70% alcohol for further identification. The baits were removed from the traps and placed in plastic containers with a layer of sand to form the substratum for the larvae to pupate in. The sand was then sifted to collect the pupae. These were then placed individually in gelatin capsules (00 number) and kept until the emergence of the flies or their parasitoids.

Figure

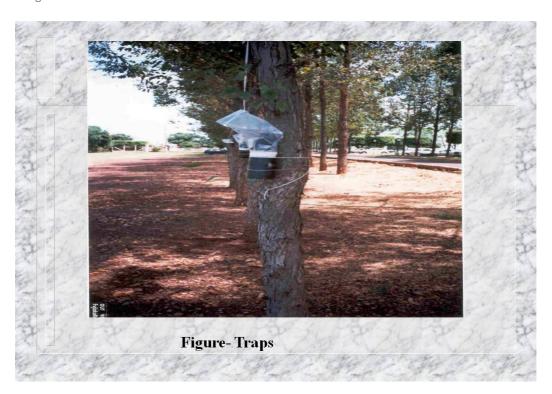


Ninety-nine pupae of *F. pusio* were collected, from which three emerged parasitoids of the species *P. egeria*, with a parasitism prevalence of 3.0%.

Paraganaspis egeria was found parasitizing Sarcophagula occidua (Fabricius) (Diptera: Sarcophagidae), Chrysomya albiceps (Wiedemann) (Diptera: Calliphoridae) and Brontaea quadristigma Thomson (Diptera: Muscidae).

In Brazil, this work represents the first report of this parasitoid species using as host $F.\ pusio.$

Figure



Figure