

## **A new species of *Wyeomyia* (*Hystatomyia*) (Diptera: Culicidae) from Colombia and a redescription of *Wy. (Hystatomyia) intonca* Dyar & Knab**

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### **Abstract**

Species within the *Wyeomyia* subgenus *Hystatomyia* represent one of the dominant mosquito groups utilizing tank bromeliads as larval development sites in mangrove and adjacent forest habitats on the northern Pacific Coast of Colombia. Surveys of phytotelm plants in this region found larval stages of *Wy. intonca* Dyar & Knab frequently associated with large tank bromeliads, especially of the genus *Werauhia*, growing in mangrove. *Wyeomyia intonca* was originally described in 1910 on the basis of a male from the Canal Zone, Panama, and the larval stage was partial described in the 1920s. These incomplete descriptions have led to confusion over its identity and differentiation from *Wy. circumcincta* Dyar & Knab. Consequently, *Wy. intonca* is redescribed here. In addition, *Wy. chocoensis* sp.n. is described from specimens reared from tank bromeliads in the same region where *Wy. intonca* occurred. The descriptions of these two species, accompanied with relevant illustrations, are of adult males and females and of the pupal and larval stages.

**Key words:** Diptera, Culicidae, *Wyeomyia*, *Hystatomyia*, new species, bromeliads, Colombia

### **Introduction**

The two descriptions presented here, one of a previously described species and the other of a newly recognized species, emanated from field studies of mosquitoes associated with phytotelm plants in mangrove and lowland forest on the northern Pacific Coast of Colombia. From a phylogenetic perspective, both species are members of the subgenus *Hystatomyia* of *Wyeomyia*. *Hystatomyia* was first established as a genus by Dyar (1919) with *Wy. circumcincta* Dyar & Knab as the type species and with two additional species, *Wy.*