



Article

urn:lsid:zoobank.org:pub:66AD771A-7D81-4364-A77A-FD02C1004300

Two New Species of the Genus *Atrichopogon* Kieffer (Diptera: Ceratopogonidae) from Mexico

HERÓN HUERTA & FELIPE DZUL¹

Lab. Entomología, InDRE, Carpio 470, Col. Santo Tomas, México D.F., 11340, MEXICO.

E-mail: cerato_2000@yahoo.com

¹Secretaría de Salud, Chilpancingo, Guerrero, MEXICO.

Abstract

Two distinctive new species of the genus *Atrichopogon* Kieffer from Mexico are described and illustrated based on adults: *Atrichopogon pachito*, sister species to *A. didymothecae* Macfie, and *Atrichopogon grogani*, similar to *A. mexicanus* Huerta. The two new species Mexican were collected with Malaise traps.

Key words: Diptera, Ceratopogonidae, *Atrichopogon*, new species, Mexico

Resumen

Dos distintivas nuevas especies del género *Atrichopogon* Kieffer de México son descritas e ilustradas basadas en los adultos: *Atrichopogon pachito*, es la especie hermana de *Atrichopogon didymothecae* Macfie y *Atrichopogon grogani*, es similar a *Atrichopogon mexicanus* Huerta. Las dos nuevas especies mexicanas fueron colectadas con trampa Malaise.

Introduction

The biting midge genus *Atrichopogon* Kieffer includes 104 Neotropical species (Borkent & Spinelli, 2007; Spinelli & Marino, 2007; Huerta, 2008; Marino et al, 2011). This large and complex group contains many undescribed species and are very common in Malaise and CDC trap samples. The Mexican fauna of *Atrichopogon* is extremely poorly known with only eight species having been reported (Borkent & Spinelli, 2007; Huerta 2008).

Adult *Atrichopogon* are one of the most commonly encountered groups of diurnal biting midges and can be found on a variety of flowers or resting on vegetation (Borkent and Picado, 2004). The purpose of this paper is to describe two new and distinctive species for Mexico.

Materials and Methods

Specimens were mounted on microscope slides following the technique of Borkent & Spinelli (2007), except by mounting with Euparal. Explanation of taxonomic characters and terms for structures follows those used in the Manual of Central American Diptera (Brown et al., 2009) and, for special terms applying specifically to *Atrichopogon*, in Borkent & Picado (2004) and Borkent et al. (2009). Photomicrographs were taken of specimen mounted on a sample holder with double sided tape and coated with gold in an ionizer brand Denton Vacuum model DESKII for 400 seconds, and observed with a Scanning Electron Microscope JEOLÒ brand model JSM-5800LV. Images were captured digitally by the Inter Video MSIPVS program. Measurements are given in millimeters. Types are deposited in the Collection of Arthropods of Medical Importance (CAIM), Mexico City, Distrito Federal.