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4041

## **New species and host plants of *Anastrepha* (Diptera: Tephritidae) primarily from Peru and Bolivia**

ALLEN L. NORRBOM<sup>1</sup>, ERICK J. RODRIGUEZ<sup>2</sup>, GARY J. STECK<sup>2</sup>, BRUCE A. SUTTON<sup>2</sup>  
& NORMA NOLAZCO<sup>3</sup>

<sup>1</sup>*Systematic Entomology Lab., USDA, ARS, c/o Smithsonian Institution, P.O. Box 37012, MRC 168, Washington, DC 20013-7012, USA; email: allen.norrbom@ars.usda.gov*

<sup>2</sup>*Florida Department of Agriculture and Consumer Services, Division of Plant Industry/Entomology, Gainesville, FL*

<sup>3</sup>*Centro de Diagnostico de Sanidad Vegetal, Servicio Nacional de Sanidad Agraria, Av. La Molina 1915, La Molina, Perú*



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ALLEN L. NORRBOM, ERICK J. RODRIGUEZ, GARY J. STECK, BRUCE A. SUTTON & NORMA NOLAZCO

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## Abstract

Twenty-eight new species of *Anastrepha* are described and illustrated: *A. acca* (Bolivia, Peru), *A. adami* (Peru), *A. amplidentata* (Bolivia, Peru), *A. annonae* (Peru), *A. brevipex* (Peru), *A. caballeroi* (Peru), *A. camba* (Bolivia, Peru), *A. cicra* (Bolivia, Peru), *A. disjuncta* (Peru), *A. durantae* (Peru), *A. echaratiensis* (Peru), *A. eminens* (Peru), *A. ericki* (Peru), *A. gonzalezi* (Bolivia, Peru), *A. guevarai* (Peru), *A. gusi* (Peru), *A. kimi* (Colombia, Peru), *A. korytkowskii* (Bolivia, Peru), *A. latilanceola* (Bolivia, Peru), *A. melanoptera* (Peru), *A. mollyae* (Bolivia, Peru), *A. perezii* (Peru), *A. psidivora* (Peru), *A. robynae* (Peru), *A. rondoniensis* (Brazil, Peru), *A. tunariensis* (Bolivia, Peru), *A. villosa* (Bolivia), and *A. zacharyi* (Peru). The following host plant records are reported: *A. amplidentata* from *Spondias mombin* L. (Anacardiaceae); *A. caballeroi* from *Quararibea malacocalyx* A. Robyns & S. Nilsson (Malvaceae); *A. annonae* from *Annona mucosa* Jacq. and *Annona* sp. (Annonaceae); *A. durantae* from *Duranta peruviana* Moldenke (Verbenaceae); and *A. psidivora* from *Psidium guajava* L. (Myrtaceae).

**Key words:** fruit flies, taxonomy, host plants, Neotropical Region

## Introduction

*Anastrepha* Schiner is the most diverse genus of fruit flies (Diptera: Tephritidae) in the American tropics and subtropics with 268 currently recognized species (Norrbom *et al.* 1999a, 1999b, 2004a, Norrbom & Korytkowski 2009, 2011, 2012). It is also the most economically important genus of fruit flies in this region, including a number of major fruit pests (Norrbom 2004b). Despite the importance of the genus, many species remain undescribed, and the native host plant relationships are poorly known.