



## A new species and record of *Bactrocera* Macquart (Diptera, Tephritidae) from China

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### Abstract

One new species of the genus *Bactrocera* Macquart (Diptera, Tephritidae), *B. (B.) paradiospyri* Chen, Zhou et Li, sp. nov. and one new record species, *B. (Z.) incisa* (Walker, 1861), of this genus from China are described and illustrated. The examined specimens attracted to Cue lure. The type is deposited in Institute of Zoology, Chinese Academy of Sciences, Beijing (IZCAS).

**Key words:** Tephritidae, *Bactrocera*, new species, new record species, Yunnan, China

### Introduction

The genus *Bactrocera* which is one of the most economically important lineages within the Tephritidae, belongs to the subfamily Dacinae and was erected by Macquart in 1835 for a single species, *B. longicornis* Macquart from Solomon Is. It is among the largest genera within the family with more than 500 described species arranged in 28 subgenera (Drew, 1989; Drew and Hancock, 2000; Drew, 2004; White and Hancock, 1997). By far, 46 species of this genus have been found occurring in China (Hardy, 1977; Drew, 1989; Wang, 1996; Lin *et al.*, 2005; Lin *et al.*, 2006; Wang *et al.*, 2008; Liu *et al.*, 2009). This paper reports one more additional new species and one new record species from this country.

Morphological terminology generally follows White *et al.* (1999) and McAlpine (1981). Length of body and wing was measured in millimeters.

### *Bactrocera* Macquart, 1835

*Bactrocera* Macquart, 1835: 452. Type-species: *B. longicornis* Macquart, 1835, by monotypy.

*Dasyneura* Saunders, 1842: 60. Type-species: *D. zonata* Saunders, 1942, by monotypy.

*Strumeta* Walker, 1856: 33. Type-species: *S. conformis* Walker, 1856 [= *Dacus umbrosus* Fabricius, 1805], by monotypy.

*Chaetodacus* Bezzi, 1913: 93. Type-species: *Musca ferruginea* Fabricius, 1794 [= *Dacus dorsalis* Hendel, 1912], by original designation.

*Marquesadacus* Malloch, 1932: 145 (as subgenus of *Dacus*). Type-species: *Chaetodacus perfuscus* Aubertin, 1929, by monotypy.

*Apodacus* Perkins, 1939: 26. Type-species: *A. cheesmani* Perkins, 1939 [= *A. cheesmae* Perkins, 1939], by original designation.

*Aglaodacus* Munro, 1984: 25. Type-species: *A. nesiotus* Munro, 1984, by original designation.

*Mauritidacus* Munro, 1984: 25. Type-species: *M. montyanus* Munro, 1984, by original designation.

This genus is closely related to *Dacus* Fabricius, but chiefly differs from the latter by the abdominal tergites not fused. A total more than 500 species are known from the Oriental, Pacific and Australian Regions except for *B.*