



## New records of the grassland leafhopper genus *Doratura* Sahlberg (Hemiptera: Cicadellidae: Deltocephalinae: Chiasmini) from China

YANI DUAN<sup>1,2</sup> & YALIN ZHANG<sup>1,3</sup>

<sup>1</sup>Key Laboratory of Plant Protection Resources and Pest Management of Ministry of Education, Entomological Museum, Northwest A & F University, Yangling, Shaanxi Province 712100, China

<sup>2</sup>School of Plant Protection, Anhui Agricultural University, Hefei, Anhui Province 230036, China

<sup>3</sup>Corresponding author. E-mail: yalinzh@nwsuaf.edu.cn

### Abstract

New records for the Old World grassland leafhopper genus *Doratura* Sahlberg from China are provided. Four species are recorded with *D. concors*, *D. homophyla* and *D. stylata* recorded from China for the first time. A key to males is provided and their genitalia are illustrated.

**Key words:** Homoptera, Auchenorrhyncha, taxonomy, morphology, distribution

### Introduction

The Old World grassland leafhopper genus *Doratura* was established by Sahlberg (1871) with *Athysanus stylatus* as its type species. Emeljanov (1964) established the subgenus *Doraturina* with type species *Jassus* (*Athysanus*) *homophylus*. Zahniser (2008) provided a checklist of the genus including 22 species. The genus can be recognised externally by the carinate or sharply angled anterior margin of the head, usually brachypterous forewing and ovipositor extending far beyond the pygofer. In the male genitalia, the style is distinctive with the preapical lobe large and apophysis long and crescent-shaped and with a median or lateral tooth.

In this paper, new records for *Doratura* Sahlberg from China are provided. A key to males is provided for all four species of the genus from China together with habitus and genitalia figures. Specimens examined are deposited in the Entomological Museum of Northwest A & F University (NWAUFU) and China Agricultural University (CAU). Morphological terminology follows Zhang (1990).

### Taxonomy

#### *Doratura* Sahlberg, 1871

*Doratura* Sahlberg, 1871: 291. Type species: *Athysanus stylatus* Boheman, 1847.

*Doratura* (*Doraturina*) Emeljanov, 1964: 403. Type species: *Jassus* (*Athysanus*) *homophylus* Flor, 1861.

**Remarks.** An adequate description of this genus is given by Ossiannilsson (1983). The four species from China can be separated by the following key.

#### Key to species of *Doratura* from China (males)

1. Ventral surface of aedeagal shaft without teeth (Figs 1F, 1G, 2E)..... *Doratura* (*Doratura*)....2
- Ventral surface of aedeagal shaft with teeth (Figs 3E, 5D). .... *Doratura* (*Doraturina*)....3