



Colour polymorphism in a leafhopper species *Macropsis notata* (Prohaska, 1923) (Hemiptera: Cicadellidae: Macropsinae) with new synonyms

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Abstract

Colour polymorphism in a leafhopper species *Macropsis notata* (Prohaska, 1923) is investigated based on large quantities of materials from China, eight colour forms are recognized. The following new synonymies are proposed: *M. salicis* Li, 1989 **syn. nov.** and *M. matsudanis* Wei & Cai, 1998 **syn. nov.** of *M. notata* (Prohaska, 1923).

Key words: Auchenorrhyncha, morphology, distribution, China

Introduction

Macropsis notata (Prohaska, 1923) (Hemiptera: Cicadellidae: Macropsinae: Macropsini) was originally described from Europe in the genus *Pediopsis* by Prohaska. This species has a transpalearctic range as judged from data available from the literature. Also, it was introduced to North America (Hamilton, 1983; Tishechkin, 2002). According to the known records (Tishechkin, 1999) and our original data, it feeds only on willows (*Salix* spp., Salicaceae).

Over the past nearly 90 years *M. notata* was described under different names from Europe, Kazakhstan, the Russian Far East, Japan and North America because of its polymorphism; on the other hand, certain authors established new synonyms of this species (Anufriev, 1981; Tishechkin 1998, 2002). Variability of coloration in *M. notata* has led to some confusion in its taxonomy; for this reason the main aim of this paper is to provide data on colour polymorphism of this species in populations from China. Also, in the course of our study two new synonyms were revealed.

Material and methods

Nomenclature of black spots on the head of *Macropsis* follows Wagner (1950). All the specimens including the holotype of *Macropsis salicis* Li, 1989 are deposited in the Institute of Entomology, Guizhou University, Guiyang, China (GUGC).

Macropsis notata (Prohaska)

Pediopsis virescens var. *notata* Prohaska, 1923: 83.

Pediopsis virescens var. *melanostigma* Kupka, 1925: 106 (synonymy by Wagner, 1951).

Macropsis vestita Ribaut, 1952: 421, 424–425 (synonymy by Tishechkin, 2002).

Macropsis salicicola Vilbaste, 1968: 63–64 (synonymy by Tishechkin, 1998).