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DESCRIPTION OF A NEW SPECIES OF *ARBORIDIA* (HEMIPTERA:  
AUCHENORRHYNCHA: CICADELLIDAE: TYPHLOCYBINAЕ) FROM CHINA

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ABSTRACT

A new species of leafhopper, *Arboridia sinensis* **sp. nov.**, belonging to the subgenus *Arboridia* Zachvatkin, 1946 *s. str.* and closely related to *Arboridia (Arboridia) gaurii* Thapa, 1989, *A. cerna* Dworakowska, 1977, and *A. soror* Dworakowska, 1977, is described from Yunnan, China. It differs from *A. gaurii* in the body coloration and aedeagus shape, and from *A. cerna* and *A. soror* also in the shape of its pygofer process. In Yunnan, China the new species lives on *Zanthoxylum bungeanum* Maximowicz (Rutaceae).

Key Words: *Arboridia sinensis*, taxonomy, *Zanthoxylum bungeanum*, natural enemies, pest damage.

RESUMEN

Se describe una nueva especie de chicharrita (saltahoja) de Yunnan, China, *Arboridia sinensis* **sp. nov.**, que pertenece al subgénero *Arboridia* y es cercana a las especies *Arboridia (Arboridia) gaurii* Thapa 1989, *A. cerna* Dworakowska, 1977 y *A. soror* Dworakowska, 1977. Esta especie se diferencia de *A. gaurii* por la coloración del cuerpo y la forma del aedeago, y de *A. cerna* y *A. soror* por la forma del proceso del pygofer. La nueva especie reside en *Zanthoxylum bungeanum* Maximowicz (Rutaceae) en Yunnan, China.

Palabras Clave: *Arboridia sinensis*, taxonomía, *Zanthoxylum bungeanum*, enemigos naturales, daños de plagas

*Arboridia* Zachvatkin, 1946 is a genus of typhlocybinae leafhoppers restricted to the Old World with some 60 species occurring in the Palaearctic and Oriental Regions (Dietrich & Dmitriev 2006; Dmitriev & Dietrich 2003-2009). Currently, *Arboridia* includes 2 subgenera, *Arboridia* and *Arborifera* Sohi & Sandhu, 1971, which differ from each other in the morphology of the genital plates, styles and aedeagus. The genus in its current definition may, however, be polyphyletic (Dietrich & Dmitriev 2006).

In China 2 species of *Arboridia* have been recorded: *Arboridia (Arboridia) apicalis* (Nawa, 1913) and *Arboridia (Arborifera) surstyli* Cai & Xu, 2006. *Arboridia apicalis* is polyphagous on

various deciduous trees and vines: *Acer* sp. (Sapindales: Sapindaceae), *Morus* sp. (Rosales: Moraceae), *Malus* sp., *Prunus (Cerasus)* sp., *Prunus persica* (L.) Batsch, *Prunus* sp., *Pyrus communis* L. (all Rosales: Rosaceae), *Vitis amurensis* Ruprecht, *V. coignetiae* Pulliat ex Planch., and *Vitis* sp. (all Vitales: Vitaceae), and is distributed in China (NE, Taiwan), far eastern Russia, Japan and the Korean Peninsula. *Arboridia surstyli* feeds on *Macrocarpium officinalis* (Sieb. et Zucc.) Nakai (Cornales: Cornaceae) and has been recorded only from China.

In 2011, we examined some specimens of Typhlocybinae from Yunnan Province, China, living on *Zanthoxylum bungeanum* Maximowicz (Sap-