

1-11. Taxonomic Revision of the Genus *Megoura* Buckton (Hemiptera: Aphididae) from Korean Peninsula with a New Species and a Key to the World Species

Seung-Hwan Lee, Jaroslav Holman¹ and Kun-Suk Woo²

National Institute of Agricultural Science and Technology,

¹ Institute of Entomology, Czech Academy of Sciences, Czech Republic,

² Entomology Program, School of Agricultural Biotechnology, Seoul National University

The Genus *Megoura* Buckton 1876 is a small genus of the tribe Macroshicipini (Hemiptera: Aphididae) with six valid species described from the Palearctic regions. This genus is characterized by swollen siphunculi, so far known living only on the limited genera of Leguminosae; *Vicia* Tourn. ex Linn., *Lathyrus* Linn., *Hedysarum* Linn., *Indigofera* Linn., *Cajanus* DC., *Desmodium* Desv., and *Lespedeza* Michx.

As a result of present study, three species of *Megoura* are recognized from the Korean Peninsula, among which *Megoura* sp. nov. 1 and the fundatrix, hitherto unknown morph of *Megoura crassicauda* Mordvilko 1919, are reported as new to science. *Megoura* sp. nov. 1 can be easily distinguished from other species of *Megoura* by dark brown body color in life, and also differs from the closely related species, *M. crassicauda* and *Megoura viciae* Buckton 1876 by relatively long ultimate rostral segment, 0.88-1.00x as long as 2HT (0.63-0.87x in latter two species), mandibular lamiae, antennal segment I, abdominal tergite III, and genital plate with 6-8, 13-20, 16-21, 24-33 hairs respectively (3-5, 8-15, 12-18, 14-23 in latter two species). After examining and measuring the specimens of all know *Megoura* spp, a worldwide key to species is established. In addition, host plants and brief biology of each species are discussed.