



A new species of genus *Dryophilocoris* Reuter (Hemiptera: Heteroptera: Miridae: Orthotylinae) from South Korea, with a key to Korean species

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Dryophilocoris Reuter 1875 is a small genus of the Palaearctic mirid subfamily Orthotylinae, with 12 described species in the world (Kerzhner & Josifov, 1999; Yasunaga, 1999). Most species in this genus are distributed in northeastern Asia, except for three European species. The members of this genus can be easily distinguished by a combination of the following: (1) body elongate, parallel-sided; (2) a vertex with transverse carina basally; (3) eye almost contiguous to the pronotum; (4) anteriorly constricted pronotum divided into two (anterior and posterior) lobes; (5) an impunctate pronotum and shallowly punctate hemelytra with blackish short pubescences; (6) vesica with 3 sclerites.

Three species, *Dryophilocoris jenjouristi* Josifov & Kerzhner, *D. kanyukovae* Josifov & Kerzhner, and *D. pallidulus* Josifov & Kerzhner, have been reported from North Korea (Josifov & Kerzhner, 1972; 1984). Recent examination of South Korean mirids resulted in recognition of three species, *D. jenjouristi*, *D. kanyukovae*, and *D. zebrinus* **sp. nov.**, of this genus, including the new one herein described. Although the biologies of the Korean species in this genus are poorly known, all members have been associated with *Quercus* (Fagaceae).

Material and methods

The terminology used in this study follows Schuh & Slater (1995) and Yasunaga (1999). All measurements in the text are given in millimeters. The type series are deposited at the Yeongnam Regional Office, National Plant Quarantine Service, South Korea.

Taxonomy

Dryophilocoris Reuter, 1875

Dryophilocoris Reuter, 1875: 136 (as subgenus of *Globiceps*; upgraded by Carvalho & Leston, 1952: 236).

Type species: *Cyllocoris flavonotatus* Boheman, 1852, a synonym of *Cimex flavoquadrimaculatus* De Geer, 1773, monotypic.

Distribution. Palaearctic regions.

Key to the Korean species of the genus *Dryophilocoris* Reuter

- 1. Anterior lobe of pronotum entirely shining *D. zebrinus* **sp. nov.**
- . Anterior lobe of pronotum mat 2
- 2. Anterior lobe of pronotum not parallel, almost isosceles trapezoid *D. pallidulus* Josifov & Kerzhner
- . Anterior lobe of pronotum parallel laterally 3
- 3. Posterior lobe of pronotum mat, only posterior margin shiny *D. jenjouristi* Josifov & Kerzhner
- . Posterior lobe of pronotum entirely shining *D. kanyukovae* Josifov & Kerzhner