

Lygus poluensis Wagner and its synonyms (Heteroptera: Miridae)

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Examination of the type specimens of *Lygus poluensis* revealed the following new synonymy: *L. poluensis* (Wagner, 1967) = *L. dracunculi* Josifov, 1992 = *L. renati* Schwartz, 1998 (new name for *L. elegans* Aglyamzyanov, 1994).

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Lygus poluensis (Wagner, 1967)

Exolygus poluensis Wagner, 1967: 123. Type locality: W China (Saiback nr Polu).

Lygus dracunculi Josifov, 1992: 5, **syn. n.** Type locality: Tajikistan (Ziddy).

Lygus elegans Aglyamzyanov, 1994: 70, 72 (junior primary homonym of *L. elegans* Zheng & Wang, 1983), **syn. n.** Type locality: Kazakhstan (Karaganda).

Lygus renati Schwartz in Schwartz & Foottit, 1998: 40, 320 (new replacement name for *L. elegans* Aglyamzyanov), **syn. n.**

Distribution. Kazakhstan, Tajikistan, NW and N China, Mongolia.

Comments. Examination of the type specimens of *L. poluensis* Wagner (♂ holotype and 3 ♀ paratypes) kept at Museum für Naturkunde der Humboldt-Universität zu Berlin has revealed that this species does not differ externally from *L. dracunculi* and *L. renati*. The vertex is narrower than eye in males and slightly wider in females of *L. poluensis*. The sexual dimorphism in body sizes described for *L. dracunculi* and *L. renati* is also characteristic of *L. poluensis* (see Zheng & Ren, 1996): the body length and width are approximately 6.5 and 2.8 mm in males and 6.2 and 3.2 mm in females, respectively. The spiculum in a topotypic male of *L. poluensis* examined by Schwartz & Foottit (1998) is pointed, as in *L. dracunculi* and *L. renati*. It was earlier assumed that the length of the spiculum is stable in *Lygus*

species, and *L. elegans* was described as a species having the spiculum more than twice as long as in *L. dracunculi* (Aglyamzyanov, 1994). However, it is found out now that the length of the spiculum varies approximately between 0.15 and 0.35 mm. Taking into account these facts and the overlapping distribution ranges, the three names should be considered synonyms.

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References

- Aglyamzyanov, R.S. 1994. Review of species of the genus *Lygus* in the fauna of Mongolia, II (Heteroptera: Miridae). *Zoosyst. Ross.*, **3**: 69-74.
- Josifov, M. 1992. Eine neue *Lygus*-Art aus Tadzhikistan (Insecta, Heteroptera, Miridae). *Reichenbachia*, **29**: 5-7.
- Schwartz, M.D. & Foottit, R.G. 1998. Revision of the Nearctic species of the genus *Lygus* Hahn, with a review of the Palaearctic species (Heteroptera, Miridae). *Mem. Entomol. int.*, **10**: i-vii, 1-428.
- Wagner, E. 1967. *Exolygus poluensis* nov. spec. (Hem. Het. Miridae). *Deut. entomol. Z. (N.F.)*, **14**: 123-124.
- Zheng, L.Y. & Ren, S.Z. 1996. Hemiptera: Nabidae, Miridae, Lygaeidae, Rhopalidae, Pentatomidae. In: *Insects of the Karakorum-Kunlun Mountains*: 43-53. Beijing: Science Press.

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