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T. O. Markova^{1,*}, M. V. Maslov², N. V. Repsh¹, E. G. Ogorodnikov². NEW DATA ON DISTRIBUTION OF *MOLIPTERYX FULIGINOSA* (HETEROPTERA: COREIDAE) IN RUSSIA. – Far Eastern Entomologist. 2016. N 316: 26-28.

1) Far Eastern Federal University, Ussuryisk, Russia. *Corresponding author, E-mail: martania@mail.ru

2) Ussuri Nature Reserve, Far East Branch of Russian Academy of Sciences, Ussuriysk, Russia.

Summary. The new and published data on distribution of *Molipteryx fuliginosa* (Uhler, 1860) in the south part of the Russian Far East are summarized. In 2015 this species was most abundant in the homestead land, damaging raspberry (*Rubus* sp.).

Key words: Heteroptera, Coreidae, leaf-footed bugs, *Molipteryx fuliginosa*, distribution, Russian Far East.

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Резюме. Обобщены оригинальные данные и литературные сведения о распространении *Molipteryx fuliginosa* (Uhler, 1860) на юге Дальнего Востока России. В 2015 г. этот вид в массе отмечен на приусадебных участках, где существенно повреждал растения ежевики и малины.

INTRODUCTION

Molipteryx fuliginosa (Uhler, 1860) is included to the genus *Molipteryx* Kiritshenko, 1916 in the tribe Mictini Amyot et Serville, 1843 of the nominative subfamily of Coreidae Leach, 1815 (Vinokurov *et al.*, 2010). This species was described as *Discogaster fuliginosus* based on one female from unrecorded locality (Uhler, 1860). This female is deposited in the Smithsonian Institute (Washington, USA) and labeled as “Hong-Kong, det. PR Uhler” (CoreoideaSF Team, 2016); therefore the type locality of this species is the South East China. Up to the end of last century *Molipteryx fuliginosa* was known from East China, Korea and Japan. In Russia this leaf-footed bug was firstly collected in the Krasnoarmeiskii and Dalnerechenskii districts of Primorskii krai (Fig.1) in 1987–1996 and considered as rare invading species (Kerzhner & Kanyukova, 1998). But in 2012 this insect appeared in mass in Spasskii and Anuchinskii districts of Primorskii krai, damaging raspberry crops, and firstly recorded from the south part of Khabarovskii krai (Fig. 1) as well as from Pozharskii and Khasanskii districts of Primorskii krai (Kanyukova, 2012). Here we summarize the new and published data on distribution of *Molipteryx fuliginosa* in the Russian Far East.

RESULTS

Molipteryx fuliginosa (Uhler, 1860)

MATERIAL EXAMINED. Primorskii krai: Ussuryisk City and Ussuryiskii District (Kaimanovka, Kamenyshka, Ussuri Nature Reserve), 20.V–26.VII 2015, 513 specimens;

Kirovskii District, Kirovskii, 2.VII–30.VIII 2015, 195 specimens; Chuguevskii District, Novomikhailovka, 30.VI–28.IX 2015, 312 specimens; Olginskii District, Mikhailovka, VII 1996, 1 specimen (Fig. 1).

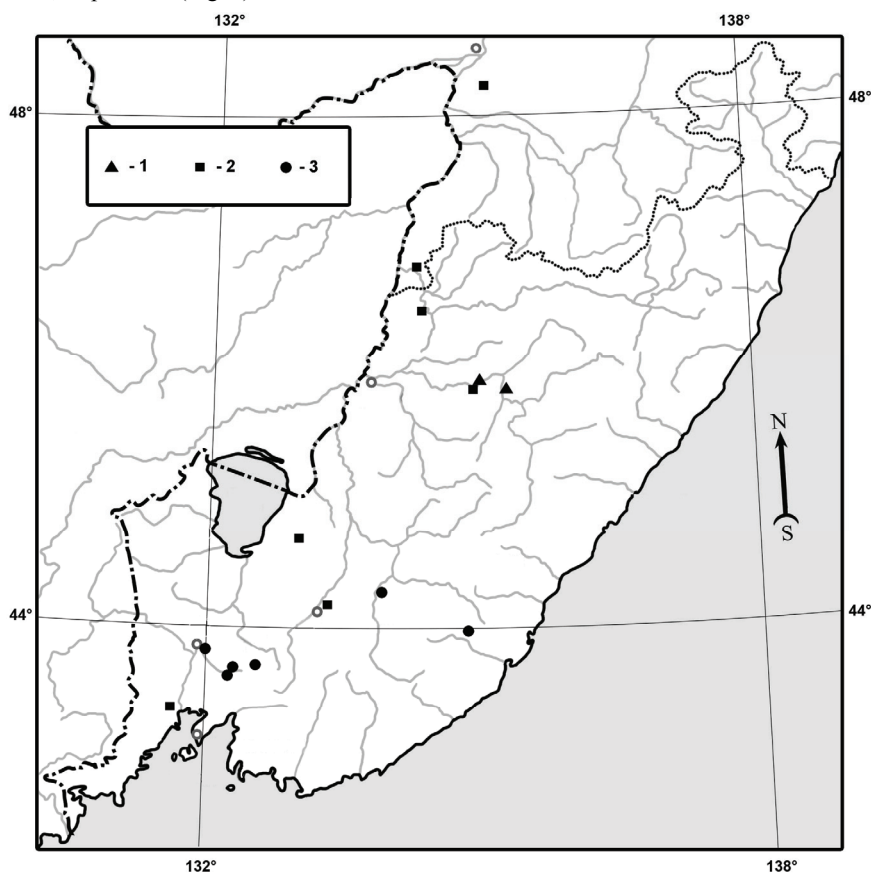


Fig. 1. Distribution of *Molipteryx fuliginosa* (Uhler, 1860) in Russia. 1 – after Kerzhner & Kanyukova (1998); 2 – after Kanyukova (2012); 3 – our data.

NOTES. We also observe vicinity of Chkalovskoe village (Spasskii District) and Bolshoi Kamen City in 2015 but *Molipteryx fuliginosa* has not been found. In 2015 this insect appeared in mass and damaged mainly raspberry (*Rubus* sp.) in the Ussuryiskii, Kirovskii and Chuguevskii districts. *Molipteryx fuliginosa* is included in the list of pest species of China (Zhang, 1985) and we agree with E.V. Kanyukova (2012) that it should be added to the list of agricultural pests of the Russian Far East.

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REFERENCES

- CoreoideaSF Team. 2016. *Coreoidea Species File Online. Version 5.0/5.0*. <http://Coreoidea.SpeciesFile.org> [Accessed 26 May 2016].
- Kanyukova, E.V. 2012. Leaf-footed bug *Molipteryx fuliginosa* (Heteroptera: Coreidae) – a new pest of raspberry in the south of the Far East of Russia. *Amurian Zoological Journal*, 4(4): 331–332. [In Russian with English summary].
- Kerzhner, I.M., Kanyukova, E.V. 1998. First record of *Molipteryx fuliginosa* Uhler from Russia (Heteroptera: Coreidae). *Zoosystematica Rossica*, 7(1): 84.
- Uhler, P.R. 1860. Hemiptera of the North Pacific Exploring Expedition under Com'rs Rodgers and Ringgold. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 12[1861]: 221–231.
- Vinocurov, N.N., Kanyukova, E.V. & Golub, V.B. 2010. *Catalogue of the Heteroptera of Asian Part of Russia*. Nauka, Novosibirsk. 320 pp. [In Russian].
- Zhang, Sh. 1985. *Economic Insect Fauna of China. Fasc. 31. Hemiptera (1)*. Beijing. 242 pp.