

The Second Record of *Perillus bioculatus* (Fabricius, 1775) (Hemiptera: Heteroptera: Pentatomidae), Invasive Alien Species (IAS) from Anatolia

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ABSTRACT: In this paper new data on invasive alien species (IAS): *Perillus bioculatus* (Fabricius, 1775) as a second record for asian part (Anatolian) of Turkey are presented. Specimen is observed in Ankara, and this is the second record for anatolien part of Turkish (Heteroptera: Pentatomidae) fauna. The results of the study, its is confirmed occurrence in Anatolia.

KEYWORDS: *Perillus bioculatus* (Fb.,1775), Heteroptera, Ankara, second record Anatolia, Turkey

To cite this article: Kiyak, S., Alacapunar, P. & Özdamar, H., 2019, The Second Record of *Perillus bioculatus* (Fabricius, 1775) (Hemiptera: Heteroptera: Pentatomidae), Invasive Alien Species (IAS) from Anatolia, *J.Het.Turk.*,1(1-2):4-6.

To link to this article: <https://www.j-ht.org/wp-content/uploads/2019/11/V11-2-A2.pdf>

Received: Sep 30, 2019; **Revised:** Oct 18, 2019; **Accepted:** Oct 20, 2019; **Published online:** Nov 30, 2019

Perillus bioculatus (Fabricius,1775) (Hemiptera: Heteroptera: Pentatomidae) was first recorded 2003 in the provinces of Tekirdağ, Edirne and Kırklareli in Thrace part of Turkey in 1992, and 1997 (Kivan, 2004; Fent & Aktaş, 2007).

In June 2016 in Ankara we found an exemplare (adult). This finding has shown that *Perillus bioculatus* second time occurs regularly in the area of Anatolia part of Turkey.

This species firstly record in anatolien part was recorded on 2018 in Amasya province (Dursun & Fent, 2018)

In this study the specimen of *Perillus bioculatus* (Fabricius, 1775) was observed in Ankara province and identified by first author and photographed by second author (Fig.1). This is the second record in the distribution of *P. bioculatus* (F.) in

anatolia.

With new record in Ankara this species is established penetrated and expanded in the Asian part of Turkey. (Fig.2)

Material Examined:

Turkey, Ankara, Keçiören district, Yakacak, N 39°59'17.644" E 32°52'12.538" 930m, 24.06.2018, 1 male or female ? specimen observed and photographed by second author.

Family: Pentatomidae Leach, 1815

Perillus bioculatus (Fabricius, 1775)

This second record in Anatolia showed that the spread of this invasive alien species is expanding Turkey, it is possible to spread more in Anatolia in the future.

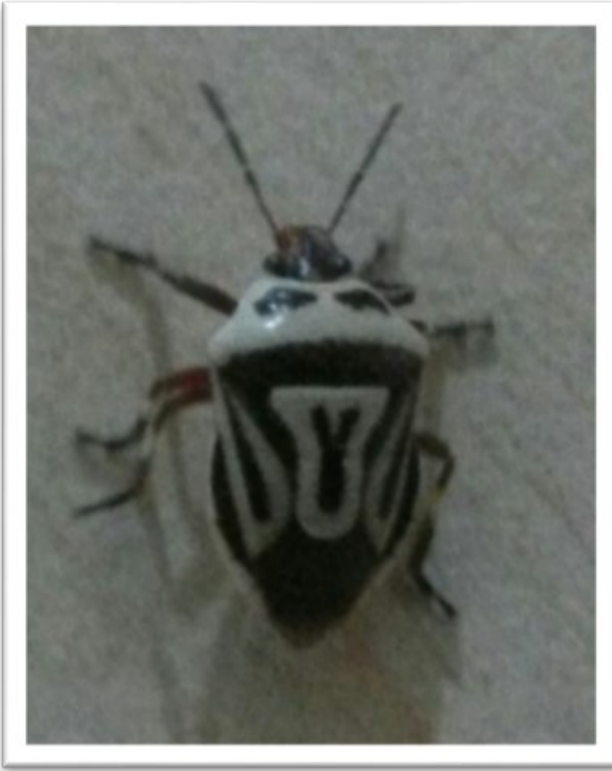


Fig. 1. Specimen of *P. bioculatus* (Fb., 1775) from Ankara (Anatolian part of Turkey).

Distribution in Turkey:

Tekirdağ, Edirne and Kırklareli (Euro-pean part of Turkey) (Kivan, 2004; Fent & Aktaç, 2007). Amasya (Dursun & Fent, 2018), with this study in Ankara.

Distribution in Palaearctic region:

Czechoslovakia, France, Germany, Russia, Yugoslavia (Thomas, 1994); North America and European-Turkey (Kivan, 2004); Balkan Peninsula: Bulgaria, Greece, Serbia, Turkey (Protić & Živić, 2012; Putschkov, 2013, Simov et al., 2012); North America, Mexico to Canada; Belgium, France, Germany, Italy, Russia, Slovakia, Ukraine, Yugoslavia (Rabitsch, 2008).

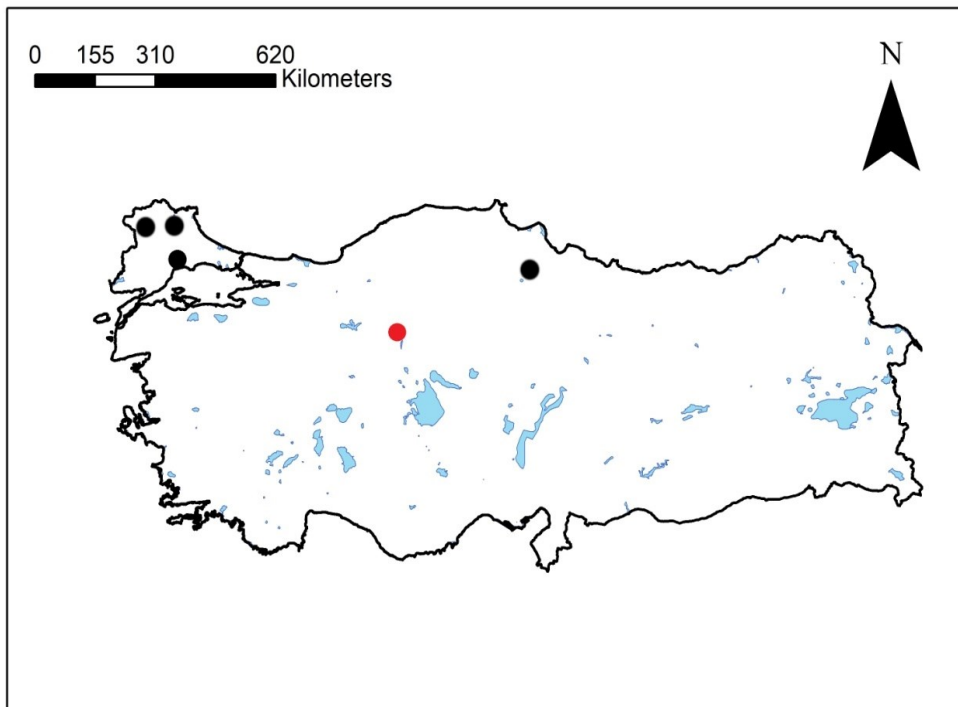


Fig. 2. Distribution of *Perillus bioculatus* (Fabricius, 1775) in Thrace lands provinces and Amasya (●). Second record in Anatolian peninsula (Asia Minor) ● (Asian part of Turkey).

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