

First record of *Adomerus biguttatus* (Linnaeus, 1758) in Castilla and Leon (Heteroptera, Cydnidae)

Primera cita de *Adomerus biguttatus* (Linnaeus, 1758) en Castilla y León (Heteroptera, Cydnidae)

Adomerus biguttatus (Linnaeus, 1758) (Fig. 1) can easily be recognized by its ovoid shaped body, sizing ca. 6 mm. The general colour is black, with a pale yellowish rim in the pronotum and hemelytra, and a circular, small, whitish spot in the middle of each coria; however, the pale spots in the hemelytra may be absent, but the area always remains unpunctured (HAWKINS, 2003).



Fig. 1. *Adomerus biguttatus*. Biberach, Baden-Wuerttemberg, Germany 16.VI. 2002. Photograph by E. Wachmann.

Fig. 1. *Adomerus biguttatus*. Biberach, Baden-Wuerttemberg, Germany 16.VI. 2002. Fotografía cedida por E. Wachmann.

Adomerus biguttatus, together with *A. congener* (Jakovlev, 1879), are the only European species of the genus, which includes four more species present only in Asia (LIS, 2006). In the Iberian Peninsula *A. biguttatus* is rare and has only been previously reported from Catalonia (GOULA *et al.*, 2010), Navarre (VALCÁRCEL & PRIETO PILOÑA, 2006), Basque Country (DE LA FUENTE, 1972) and Portugal (LIS, 2006), thus restricted to the northern area with a cooler climate.

In this note, the distribution of the species within the Iberian Peninsula of enlarged with a couple of specimens from the Autonomous Community of Castilla and Leon deposited at the Museo Nacional de Ciencias Naturales in Madrid.

Material studied: 1♂ & 1♀. 7.IV.1977, Hontanares, Riaza (Segovia, Castilla and Leon), under stone, Carmen Rey leg., M. Roca-Cusachs det. Pinned. In MNCN collection with codes MNCN_Ent 197787 and MNCN_Ent 197788 respectively.

A. biguttatus frequents either woodland clearings, grasslands or scrubs, sometimes as high as ca. 2000 m.a.s.l (WACHMANN *et al.*, 2008). In Central Europe it has been mentioned associated to *Melampyrum* spp. (*M. pratense*, *M. arvense*, *M. nemorosum*), *Rhinanthus* sp., and *Vaccinium* sp. (WACHMANN *et al.*, 2008), *Thymus chamaedrys*, *Cytisus scoparius*, *Calluna vulgaris* and *Scabiosa* sp. (STICHEL, 1961). It is univoltine, and overwinters as adult (WACHMANN *et al.*, 2008).

The species is reputed to be scarce in the Mediterranean region, and in neighbouring countries, like France, the species seems to have suffered a regression of the distribution range towards the north-west (LUPOLI & DUSOULIER, 2015). In Great Britain (BANTOCK & BOTTING, 2013), regression has been attributed to lack of woodland management practices, thus reducing the creation of cleared areas, suitable to *A. biguttatus*.

Changes in land use are occurring all over the world in several directions. As it happens in other parts of the Western Hemisphere, in the Iberian Peninsula exodus from the field to villages and cities propitiates a lower woodland management and abandon of agricultural lands. These phenomena contribute to rarefaction of *A. biguttatus* due to habitat reduction. Size, cryptic colours and occult behaviour among litter and under stones do not help the species to be found easily and therefore not cited.

With this new record, the distribution of the species is widened inland and southwards to the center of the Iberian Peninsula.

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