

NOTA / NOTE

Recent records of *Leptoglossus occidentalis* Heidemann, 1910 on the Balearic Islands (Spain) (Hemiptera: Heteroptera: Coreidae: Coreinae: Anisoscelini).

Torsten van der Heyden

Immenweide 83. D-22523 Hamburg (GERMANY). e-mail: tmvdh@web.de

Abstract: Information on recent records of *Leptoglossus occidentalis* Heidemann, 1910 (Hemiptera: Heteroptera: Coreidae) on Formentera and Menorca (Balearic Islands) is provided.

Key words: Hemiptera, Heteroptera, Coreidae, Coreinae, Anisoscelini, *Leptoglossus occidentalis*, invasive species, Balearic Islands, Spain.

Resumen: Citas recientes de *Leptoglossus occidentalis* Heidemann, 1910 en las Islas Baleares (España) (Hemiptera: Heteroptera: Coreidae: Coreinae: Anisoscelini). Se proporciona información sobre citas recientes de *Leptoglossus occidentalis* Heidemann, 1910 (Hemiptera: Heteroptera: Coreidae) en Formentera y Menorca (Isla Baleares).

Palabras clave: Hemiptera, Heteroptera, Coreidae, Coreinae, Anisoscelini, *Leptoglossus occidentalis*, especie invasora, Islas Baleares, España.

Recibido: 28 de octubre de 2019

Publicado on-line: 6 de noviembre de 2019

Aceptado: 3 de noviembre de 2019

The presence of the Western Conifer Seed Bug *Leptoglossus occidentalis* Heidemann, 1910 (Hemiptera: Heteroptera: Coreidae) in Spain has been known since 2004 (Ribes et al., 2004; van der Heyden, 2019). Its presence on the Balearic Islands was mentioned in literature for the first time in 2010 (Pérez Valcárcel & Prieto Piloña, 2010). So far, *L. occidentalis* has been reported for Mallorca and Menorca (Pérez Valcárcel & Prieto Piloña, 2010; Servei de Sanitat Forestal, 2011).

Recently, specimens of *L. occidentalis* were photographed on Menorca and Formentera:

On 9.10.2019, Mark Wyatt photographed an adult specimen in Cala en Bosch at the southwest coast of Menorca (Wyatt, 2019).

On 27.10.2019, Pau Arranz Morell photographed an adult specimen on the terrace of his house in Ses Bardetes, located approximately 600 m south of Sant Francesc de Formentera, the capital of the island (Arranz Morell, 2019a). One day later, on 28.10.2019, another adult specimen was photographed in his backyard (Fig. 1). The photograph was first published in the online database iNaturalist (Arranz Morell, 2019b). A lot of trees of *Pinus halepensis* Mill. (Pinaceae), one of the known host plants of *L. occidentalis* (Petrakis, 2011; CABI, 2019; EPPO, 2019), are near the location of the findings (Pau Arranz Morell, personal communication). Very likely, these are the first records of *L. occidentalis* for Formentera reported in a scientific publication.

Acknowledgements

I would like to thank Pau Arranz Morell (Ses Bardetes, Formentera, Spain) for allowing me to use his photograph of *L. occidentalis* to illustrate this paper and for additional information about his findings.

References

- Arranz Morell, P. 2019a. Western Conifer Seed Bug (*Leptoglossus occidentalis*). [Accessed: 27.10.2019]. Available from: <https://www.inaturalist.org/observations/34960885>.
- Arranz Morell, P. 2019b. Western Conifer Seed Bug (*Leptoglossus occidentalis*). [Accessed: 28.10.2019]. Available from: <https://www.inaturalist.org/observations/35009196>.
- CABI. 2019. Invasive Species Compendium. Datasheet *Leptoglossus occidentalis* (western conifer-seed bug). [Accessed: 27.10.2019]. Available from: <https://www.cabi.org/isc/datasheet/30346>.
- EPPO. 2019. EPPO Global Database. *Leptoglossus occidentalis* (LEPLOC). Hosts. [Accessed: 27.10.2019]. Available from: <https://gd.eppo.int/taxon/LEPLOC/hosts>.
- Pérez Valcárcel, J. & Prieto Piloña, F. 2010. La contribución de registros fotográficos en internet para estudios faunísticos: el caso de la expansión iberobalear de la especie invasora *Leptoglossus occidentalis* Heidemann, 1910 (Hemiptera, Coreidae). *Arquivos Entomológicos* 4: 45-52.
- Petrakis, P.V. 2011. First record of *Leptoglossus occidentalis* (Heteroptera: Coreidae) in Greece. *Entomologia Hellenica* 20: 83-93.
- Ribes, J.: Serra, A. & Goula, M. 2004. *Catàleg dels heteròpters de Catalunya (Insecta, Hemiptera, Heteroptera)*. Institutó Catalana d'Història Natural, Secció de Ciències Biològiques de l'Institut d'Estudis Catalans, Barcelona, 128 pp.
- Servei de Sanitat Forestal. 2011. *Leptoglossus occidentalis Heidemann, la xinxà americana del pi. (actualització)*. Govern de les Illes Balears, Conselleria d'Agricultura, Medi Ambient i Territori, Direcció General de Medi Natural, Canvi Climàtic i Educació Ambiental, Palma, 5 pp.
- van der Heyden, T. 2019. Summarized data on the European distribution of *Leptoglossus occidentalis* Heidemann (Heteroptera: Coreidae: Coreinæ: Anisoscelini). *Revista Chilena de Entomología* 45(3): 499-502.
- Wyatt, M. 2019. Western Conifer Seed Bug (*Leptoglossus occidentalis*). [Accessed: 27.10.2019]. Available from: <https://www.inaturalist.org/observations/34117229>.



Fig. 1.- *Leptoglossus occidentalis* Heidemann, 1910, Ses Bardetes, Formentera, Spain, 28.10.2019. (Photograph: Pau Arranz Morell).