

NOTA / NOTE

Orientus ishidae (Matsumura, 1902) (Hemiptera: Cicadellidae),
new to Portugal

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Abstract: The Japanese or Mosaic leafhopper, *Orientus ishidae* (Matsumura, 1902) (Hemiptera: Cicadellidae) is recorded from mainland Portugal for the first time.

Key words: Hemiptera, Cicadellidae, *Orientus ishidae*, first record, Portugal.

Resumen: *Orientus ishidae* (Matsumura, 1902) (Hemiptera: Cicadellidae), nuevo para Portugal. Se cita el cicadélido *Orientus ishidae* (Matsumura, 1902) (Hemiptera: Cicadellidae) de Portugal continental por primera vez.

Palabras clave: Hemiptera, Cicadellidae, *Orientus ishidae*, primer registro, Portugal.

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Introduction

Orientus ishidae (Matsumura, 1902) (Hemiptera: Cicadellidae), the Japanese or Mosaic leafhopper, is a cicadellid described from Japan (Sapporo and Tokyo, the latter with doubt) (MATSUMURA, 1902). The native range of the species includes Japan, Korea, Taiwan, and the Philippines (METCALF, 1967) and outside of this range it is present in the United States (SANDERS & DeLONG, 1919), Canada (HAMILTON, 1983), and Europe (GÜNTHART & MÜHLETHALER, 2002). A comprehensive overview of the invasion of Europe by the Japanese leafhopper, which dates back to 1998 in Italy, was recently presented by CVRKOVIĆ *et al.* (2021).

In this contribution, we report *O. ishidae* from mainland Portugal for the first time, with records from the city of Porto, in the north of the country. The fact that a nymph was collected indicates that reproduction has occurred and hence the presumable establishment of the species.

Orientus ishidae is a polyphagous leafhopper that was collected on a variety of tree species listed by KLEJDYSZ *et al.* (2017) and CVRKOVIĆ *et al.* (2021). Considering these studies, the new records presented here appear to be the first of the species for the pear tree, *Pyrus communis* L.

Material examined

Porto district: Porto municipality: Porto (37.033100, -7.816713), 24/06/2022 (1 specimen observed on *Pyrus communis* L. and photographed by the author: <https://www.biodiversity4all.org/observations/123250732>); 26/06/2022 (1 ♀ on *P. communis* L., Grosso-Silva leg., MHNC-UP col.: MHNCUP/ART/41021 - Figs. 1-2); 03/07/2022 (1 nymph on *P. communis* L., Grosso-Silva leg., MHNC-UP col.: MHNCUP/ART/41023 - Fig. 3).

References

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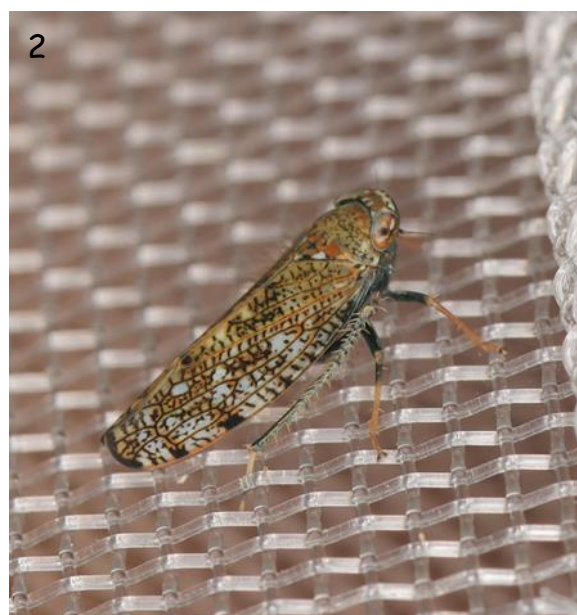
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Figs. 1-2.- Two views of the female specimen of *Orientus ishidae* collected on 26 June 2022 in Porto (MHNCUP/ART/41021).



Fig. 3.- Nymph of *Orientus ishidae* photographed on *Pyrus communis* L. on 03 July 2022 in Porto (MHNCUP/ART/41023).