

Scientific Note

First record of *Corythauma ayyari* (Drake) (Heteroptera: Tingidae) in MonacoPrimera cita de *Corythauma ayyari* (Drake) (Heteroptera: Tingidae) en MónacoTorsten van der Heyden¹¹Immenweide 83, D-22523 Hamburg, Germany. E-mail: tmvdh@web.de

ZooBank: urn:lsid:zoobank.org:pub: F604E798-BD96-4485-9C88-B36A7FD805A4
<https://doi.org/10.35249/rche.45.4.19.09>

Abstract. The first record of *Corythauma ayyari* for Monaco is reported. Information on the known distribution of the species, especially in the Mediterranean Region, is summarized. *Jasminum azoricum* is reported as a new host plant of *C. ayyari*.

Key words: Distribution, Europe, Hemiptera, invasive species, *Jasminum azoricum*, Mediterranean Region, pest.

Resumen. Se presenta la primera cita de *Corythauma ayyari* para Mónaco. Se resume información acerca de la distribución conocida de la especie, especialmente en la Región Mediterránea. Se presenta *Jasminum azoricum* como una nueva planta huésped de *C. ayyari*.

Palabras clave: Distribución, especie invasora, Europa, Hemiptera, *Jasminum azoricum*, plaga, Región Mediterránea.

The tingid *Corythauma ayyari* (Drake, 1933) is an Oriental species, recorded from India, Laos, Malaysia, Pakistan, Singapore, Sri Lanka, Thailand and Vietnam (Roca-Cusachs and Goula 2014; Haouas *et al.* 2015), which was introduced to the Mediterranean Region. Recently, *C. ayyari* has been reported from France (Streito *et al.* 2010), Greece (Rietschel 2015), Italy (Pedata *et al.* 2013; Carapezza 2014), Malta (Carapezza and Mifsud 2015) and Spain (Roca-Cusachs and Goula 2014) in Europe as well as from Israel (Novoselsky and Freidberg 2013), Syria (Zeity and Ali 2019), Tunisia (Haouas *et al.* 2015) and the United Arab Emirates (Carapezza 2014; Carapezza *et al.* 2014).

Corythauma ayyari is polyphagous, but considered a pest, as nymphs and adults of the species feed on different ornamental plants, particularly causing severe damages on various species of *Jasminum* (Oleaceae) by feeding on sap from their leaves (Streito *et al.* 2010; Roca-Cusachs and Goula 2014; Zeity and Ali 2019).

On 30-VIII-2019, Robin Duborget photographed various nymphs and adults of *C. ayyari* on *Jasminum azoricum* L. (Fig. 1). The photograph was taken in the Avenue Hector Otto in Monaco (Robin Duborget, personal communication). It was first published in the online database iNaturalist (Duborget 2019).

As *C. ayyari* has not been reported for Monaco in scientific publications yet, the record reported in this note is the first one for this country. Furthermore, *J. azoricum* is reported as a new host plant of *C. ayyari*.

Received 3 October 2019 / Accepted 9 October 2019 / Published online 16 October 2019
Responsible Editor: José Mondaca E.



Figure 1. Nymphs and adults of *Corythauma ayyari* (Drake, 1933) (Photograph: Robin Duborget).

Acknowledgements

I would like to thank Robin Duborget (Monaco) for allowing me to use his photograph of *C. ayyari* to illustrate this paper and for additional information about his finding.

Literature Cited

- Carapezza, A. (2014)** *Corythauma ayyari* (Drake, 1933) new pest of jasmine in Italy (*Heteroptera Tingidae*). *Naturalista siciliano*, S. IV, 38(2): 381-384.
- Carapezza, A. and Mifsud, D. (2015)** New records of true bugs (Hemiptera, Heteroptera) from the Maltese Islands. *Bulletin of the Entomological Society of Malta*, 7: 27-50.
- Carapezza, A., Linnavuori, R.E. and Kment, P. (2014)** Order Hemiptera, suborder Heteroptera. Infraorder Cimicomorpha, families Tingidae, Nabidae and Anthocoridae, pp. 148-186. In: van Harten, A. (ed.). *Arthropod Fauna of the UAE. Volume 5*. Department of the President's Affairs. United Arab Emirates. 744 pp.
- Duborget, R. (2019)** *Corythauma ayyari*. Photograph to be found on iNaturalist [Online database]. Available from: <https://www.inaturalist.org/observations/32574772>. (Accessed: 3-X-2019).
- Haouas, D., Guilbert, E. and Ben Halima-Kamel, M. (2015)** First report of *Corythauma ayyari* (Drake) (Hemiptera: Tingidae) on Arabian and Spanish jasmine in Tunisia. *Bulletin OEPP/EPPO Bulletin*, 45(1): 144-147.
- Novoselsky, T. and Freidberg, A. (2013)** Note: *Corythauma ayyari* (Drake) (Hemiptera: Heteroptera: Tingidae)—a new pest of ornamentals in Israel. *Phytoparasitica*, 41(2): 149-150.
- Pedata, P.A., Guilbert, É., Nugnes, F. and Mancini, D. (2013)** Rinvenimento di una popolazione di *Corythauma ayyari* (Heteroptera Tingidae) su *Jasminum officinale* (Oleaceae): un nuovo fitofago per l'Italia. *Ricerca*, 3: 36-39.

- Rietschel, S. (2015)** *Corythauma ayyari* (DRAKE, 1933) – Erstnachweis der invasiven Tingide in Griechenland (Heteroptera, Tingidae). *Heteropteron*, 44: 5-8.
- Roca-Cusachs, M. and Goula, M. (2014)** First record of the invasive tingid species *Corythauma ayyari* (Drake, 1933) in the Iberian Peninsula (Insecta: Hemiptera: Heteroptera: Tingidae). *Butlletí de la Institució Catalana d'Història Natural*, 78: 119-123.
- Streito, J.-C., Matocq, A. and Guilbert, É. (2010)** Découverte d'un foyer de *Corythauma ayyari* (Drake, 1933) et point sur la présence de plusieurs espèces de *Stephanitis* envahissants en France (Hemiptera Tingidae). *L'Entomologiste*, 66(1): 7-12.
- Zeity, M. and Ali, A.Y. (2019)** First report of the lacebug *Corythauma ayyari* (Drake) (Hemiptera: Tingidae) on *Jasminum grandiflorum* L. and *Jasminum sambac* (L.) from Syria. *Bulletin OEPP/EPPO Bulletin*, 49(2): 398-400.