

## NOTA / NOTE

*Noeeta hemiradiata* (Dirlbek & Dirlbek, 1991)  
(Diptera: Tephritidae), new species for Portugal

Fernando Pires

Rua Dorita Castel-Branco, 12, 2ºesq, 2635-461 Sintra, Portugal. e-mail: zarkovtradutor@gmail.com

**Abstract:** The fruit fly *Noeeta hemiradiata* (Dirlbek & Dirlbek, 1991) (Diptera: Tephritidae) is reported from Portugal for the first time, with a record from a dry Mediterranean scrubland area in the district of Faro. The genus *Noeeta* Robineau-Desvoidy, 1830 is also reported from Portugal for the first time.

**Key words:** Diptera, Tephritidae, *Noeeta*, *Noeeta hemiradiata*, first record, Portugal.

**Resumen:** *Noeeta hemiradiata* (Dirlbek & Dirlbek, 1991) (Diptera: Tephritidae), nueva especie para Portugal. Se cita *Noeeta hemiradiata* (Dirlbek & Dirlbek, 1991) (Diptera: Tephritidae) por primera vez de Portugal, con un registro procedente de un área de matorral mediterráneo del distrito de Faro. También se cita el género *Noeeta* Robineau-Desvoidy, 1830 por primera vez de Portugal.

**Palabras clave:** Diptera, Tephritidae, *Noeeta*, *Noeeta hemiradiata*, primera cita, Portugal.

**Recibido:** 8 de julio de 2023

**Publicado on-line:** 3 de agosto de 2023

**Aceptado:** 14 de julio de 2023

The family Tephritidae is one of Diptera's most numerous families counting over 4000 species worldwide (Pape *et al.*, 2011). It consists of generally small flies, which larvae feed often on fruits, with the adults being often seen feeding on nectar.

The genus *Noeeta* Robineau-Desvoidy, 1830 has a total of seven species worldwide (<https://www.catalogueoflife.org>), with five being present in Europe, and one of them, *Noeeta hemiradiata* (Dirlbek & Dirlbek, 1991), being endemic to the Iberian Peninsula (<https://fauna-eu.org>).

In 1991 Jan Dirlbek and Karel Dirlbek published a paper describing a new species within the genus *Noeeta* named *Noeeta hemiradiata* n. sp., by the authors (Dirlbek & Dirlbek, 1991). The specimens were bred from larvae living in inflorescences of *Hieracium* sp. (Dirlbek & Dirlbek, 1991). This remained the only record of the species up to now.

In this note, the genus *Noeeta*, by means of the species *Noeeta hemiradiata* Dirlbek & Dirlbek, 1991, is reported from Portugal for the first time, based on a single male specimen observed on a light trap, and photographed by the author on 09 July 2018 at Ponta Grande Resort (37.080890, -8.286016; 47 m above sea level; Faro district; Albufeira municipality). The photo (Fig. 1) was uploaded to the websites [diptera.info](http://diptera.info) and [Biodiversidad Virtual](http://Biodiversidad Virtual), being later identified as *Noeeta hemiradiata* Dirlbek & Dirlbek, 1991 by Prof. Valery A. Korneyev and Jordi Clavell, respectively.

This record is not only important from the geographical distribution standpoint, but also due to being the first ever photographic record of a live specimen, facilitating future comparisons and identifications, hopefully helping additional observations to be identified with the consequent knowledge increase on the species distribution and ecology.

The fact that the genus *Hieracium* L. is not present in the southern half of Portugal, shows that additional work is needed to identify the alternative host plants for *N. hemiradiata*. Also, it is worth to mention that additional surveys are needed to gather enough data to understand the demographic and biogeographical status of this species.

## Acknowledgements

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I would like to thank Prof. Valery A. Korneyev for his identification and for the kind words and advice for further work in the field. I would also like to thank Jordi Clavell for his identification. Both their identifications were the keystone to allow this work to be done.

Last, but not least, I would like to thank Ben Hamers for being the first to lift the veil on the possibility of being *Noeeta hemiradiata*.

## References

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**Fig. 1.** - Male specimen of *Noeeta hemiradiata* photographed at Ponta Grande Resort (Albufeira, Faro, Portugal) in July 2018.