

Geomyza hackmani (Diptera: Opomyzidae) new for the fauna of Belgium

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Samenvatting. *Geomyza hackmani* (Diptera: Opomyzidae) nieuw voor de Belgische fauna. Gedurende het bestuderen van 56 Belgische Opomyzidae werd een nog niet eerder uit België gemelde soort aangetroffen: *Geomyza hackmani* Nartshuk, 1984. Het totaal uit België bekende soorten Opomyzidae komt hiermee op 10.

Résumé. *Geomyza hackmani* (Diptera: Opomyzidae) une nouvelle espèce pour la faune belge.

En étudiant 52 exemplaires belges d'Opomyzidae une espèce a été trouvée qui n'était pas mentionnée précédemment de la faune belge: *Geomyza hackmani* Nartshuk, 1984. Ainsi, le nombre d'espèces d'Opomyzidae belges s'élève maintenant à 10.

Key words: *Geomyza hackmani* – faunistics – checklist – Belgium.

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Opomyzidae is a small acalyprate family with a mainly Holarctic distribution. It comprises small (2.0–4.5 mm) and rather slender flies with a yellowish, reddish brown or black body, and long and narrow wings with more or less distinct maculation. Adults are found in cereal fields, meadows, pastures and hedges. Larvae develop in the stems of *Poaceae* and may cause damage called the 'dead heart'. A few species are of economic importance in agriculture and some of them have numerous host plants.

As in many other countries, this family has received little attention in Belgium. In 1991 De Bruyn listed seven species of Opomyzidae for Belgium. In 1998 van Zuijlen added three species to this list (*Geomyza martineki* Drake, 1992, *G. nartshukae* Carles-Tolrá, 1993, and *G. venusta* (Meigen, 1830) and advised to remove one species (i.e. *Geomyza combinata* (Linnaeus, 1767)). The species added by van Zuijlen (1999) were found after studying ca. 950 Belgian opomyzid specimens deposited in the collection of the Koninklijk Belgisch Instituut voor Natuurwetenschappen (KBIN). At that time the females of the so-called *combinata* group could not be identified reliably and were put aside. In the meantime it was discovered that the females can be easily identified after the shape of the 8th abdominal sternite (van Zuijlen 1999).

The female specimens of the *combinata* group put aside in 1998 have now been identified: 52 females of *G. balachowskyi* Mesnil, 1934 – Antwerpen: Arendonk, Postel, Westmeerbeek; Brabant: Oudergem, Schaffen, Tervuren, Vilvoorde; Liège: Fringshaus, Hockai, Losheimergraben, Malmédy, Rivage; Luxembourg: Chiny, Forrières; Namur: Mozet, Rhisnes; Oost-Vlaanderen: Moorsel, Overmeire; West-Vlaanderen: Knokke; three females of *G. hackmani* Nartshuk, 1984 – Moorsel and Ixelles; one female of *G. martineki* – Pepinster. *G. hackmani* has not been recorded from Belgium before. This results in the following list of species known from Belgium:

Geomyza Fallén, 1810
balachowskyi Mesnil, 1934
hackmani Nartshuk, 1984
martineki Drake, 1992
nartshukae Carles-Tolrá, 1993
tripunctata Fallén, 1823
venusta (Meigen, 1830)

Opomyza Fallén, 1820
florum (Fabricius, 1794)
germinationis (Linnaeus, 1758)
lineatopunctata von Roser, 1840
petrei Mesnil, 1934

To summarize, *G. hackmani* is added to the faunal list of Belgium, bringing the number of Opomyzidae known from Belgium to 10.

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