

# Contributions to the Turkish Agromyzidae Fauna from Anatolian Part of Turkey, with fifteen New Records (Insecta: Diptera)

Hasan Sungur CIVELEK, Alper TONGUC, Okan OZGUL  
& Oktay DURSUN

**Abstract:** This study was carried out in 2006 in some provinces of Turkey's Anatolia region (Mugla, Burdur, Elazig, Erzurum, Artvin, Rize and Trabzon). Specimens of leaf miners from cultured and non-cultured plants were collected during 6 months. In this study 15 new records belonging to 6 genera of the Turkish fauna were found. These species are *Agromyza anthracina* Meigen, 1830; *Agromyza bromi* Spencer, 1966; *Agromyza graminicola* Hendel, 1931; *Agromyza potentillae* Kaltenbach, 1864; *Chromatomyia ciliata* (Hendel, 1935); *Chromatomyia luzulae* (Hering, 1924); *Chromatomyia nigra* (Meigen, 1830); *Liriomyza dracunculi* Hering, 1932; *Melanagromyza tripolii* Spencer, 1957; *Napomyza carotae* Spencer, 1966; *Phytomyza albipennis* (Fallén, 1823); *Phytomyza astrantiae* Hendel, 1924; *Phytomyza brevifacies* Hendel, 1934; *Phytomyza glabra* Hendel, 1935; *Phytomyza nigritula* (Zetterstedt, 1838). Among these species, *N. carotae* is an economically important species as it is feeding on carrot. In this work, their hosts, general distributions and GPS (Global Positioning System) records are given.

**Key words:** Diptera, Agromyzidae, leafminers, new record, Turkey

## Introduction

Agromyzidae (leaf mining flies) is one of the largest fly families, with more than 2742 valid species belonging to 27 genera worldwide