

AGROMYZIDAE (DIPTERA) OF MEADOWS IN SOUTHERN PARTS OF THE WHITE CARPATHIANS PROTECTED LANDSCAPE AREA

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ABSTRACT

Černý M. & Vlk R.: Agromyzidae (Diptera) of meadows in southern parts of the White Carpathians Protected Landscape Area

A comparatively extensive amount of material of Agromyzidae totaling 874 specimens was examined and 80 species (i. e. 19.2 % of all the species of the family occurring in the Czech Republic) were ascertained. Special attention was devoted to the Nature Reserves Čertoryje and Porážky in the southern part of the White Carpathians Protected Landscape Area. Material gained was analysed from the viewpoint of species composition with regard to dominance, constancy and type of distribution (a share of geoelements). The investigated Nature Reserves showed a high standard of agromyzid communities living on Carpathian meadows. Both studied localities harboured 30 common species and may be distinguished by characteristic species as well as the total number of species found. Currently, 166 species of agromyzid leaf mining flies are known from the whole of the White Carpathians Protected Landscape Area, 27 of which are recorded here for the first time. *Liriomyza thesii* Hering, 1924; *Melanagromyza tschirnhausi* Pakalniškis, 1996; *Phytomyza angelicivora* Hering, 1924; *P. clematidis* Kaltenbach, 1859, and *P. silai* Hering, 1935, are new species for the fauna of the Czech Republic and *M. oligophaga* Spencer, 1990, is new for Moravia & Silesia.

Key words: Agromyzidae, Diptera, meadows, Bílé Karpaty Mts, Czech Republic, species composition, zoogeographical and community analyses, faunistics