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The agromyzid (Diptera: Schizophora: Agromyzidae) fauna of America north of Mexico is described in the first part of this publication, including a genus key and discussions on morphology, life history and classification. The second part is a species-level revision of the family in the "Delmarva" states of the United States of America, that is, of the District of Columbia and the surrounding states of Delaware, Maryland, Virginia and West Virginia. The fauna of this region includes 156 species.

This study presents 346 new state and provincial records and 23 new country records, two of which are new continental records (Agromyza abiens Zetterstedt and A. apfelbecki Strobl). Liriomyza endiviae Hering is no longer considered to occur in North America. Fifteen species are newly described: Agromyza echinalis sp. nov., Melanagromyza brunkei sp. nov., M. eoflacensis sp. nov., M. glyptos sp. nov., M. rutella sp. nov., Ophiomyia capitolia sp. nov., O. cuprea sp. nov., O. galiodes sp. nov., O. heleios sp. nov., O. kalia sp. nov., O. laticolis sp. nov., Cerodontha (Poemyza) ungula sp. nov., Phytomyza avicursa sp. nov., P. catenula sp. nov., and P. winkleri sp. nov. Four new species-level synonyms and one genus-level synonym are provided: Agromyza marmorensis Spencer syn. nov. is included as a synonym of A. aristata Malloch; Melanagromyza fastosa Spencer, syn. nov. is included as a junior synonym of Ophiomyia tiliae (Couden); Melanagromyza verbesinae Spencer is considered a synonym of M. vernoniana Steyskal; Phytomyza ranunculoides Spencer, syn. nov. is included as a junior synonym of Phytomyza loewii Hendel; the genus Liomycina Enderlein, syn. nov. is included as a junior synonym of Phytobia Lioy. Ophiomyia ultima (Spencer), comb. nov. is recombined from Melanagromyza. Euhexomyza albicula Spencer, stat. reinst., **comb. nov.** is resurrected from synonymy with E. winnemanae (Malloch). New host records are given.

MANUAL OF NORTH AMERICAN AGROMYZIDAE (DIPTERA, SCHIZOPHORA), WITH REVISION OF THE FAUNA OF THE "DELMARVA" STATES

OWEN LONSDALE



Japanagromyza viridula (Coquillett)

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