

Literature

Spencer, K. A. 1990: Host Specialization in the World Agromyzidae (Diptera), 444 pp. - Kluwer Academic Publishers, Dordrecht. ISBN 0-7923-0402-0. Price: DFL 350,-, USD 199,-, GBP 129,-.

This magnificent book covers 1345 agromyzid species, which is more than half of the known species of the world. The major part of the book consists of sections dealing with the different plant sections and families of the world in systematic order, including general discussions on their geographic distribution, phylogenetic relationships, suitability as hosts for agromyzids and so on. The host relationships of the flies are presented in discussions and tables on host family specificity and in lists of host genera and agromyzid species. Excellent drawings of the male genitalia of almost all species in combination with the host lists make identification of the agromyzids easy and accurate. Drawings of leaf mines, puparia and larval mouthparts of a number

of species are also included. The polyphagous species are dealt with in a separate section.

Agromyzid phylogeny, coevolution and colonization are presented in a chapter involving discussions of such topics as relations to other Diptera and phylogeny linked to host specialization.

New taxonomic findings, including descriptions of new species, type designations and new synonyms and combinations, are assembled in an appendix.

This book will prove extremely useful as an identification guide, and the conclusions concerning host specialization will certainly add much to our understanding of host relationships of other phytophagous insects as well.

Anders Albrecht