

Review of the Nearctic species of *Bryotropha* Heinemann (Lepidoptera: Gelechiidae)

TWAN RUTTEN¹ & OLE KARSHOLT²

¹IPK, Corrensstrasse 1, D-06466 Gatersleben, Germany. E-mail: rутten@ipk-gatersleben.de

²Zoologisk Museum, Universitetsparken 15, DK-2100 København Ø. E-mail: okarsholt@zmuc.ku.dk

Table of contents

Abstract	1
Introduction	2
Material and Methods	2
Preparation and illustrations	3
Remarks on identification	3
Review of Nearctic <i>Bryotropha</i>	4
Checklist of Nearctic <i>Bryotropha</i>	5
Key to species based on external characters	5
Key to species based on male genitalia	6
Key to species based on female genitalia	7
<i>Bryotropha plantariella</i> (Tengström, 1848)	7
<i>Bryotropha galbanella</i> (Zeller, 1839)	9
<i>Bryotropha gemella</i> sp. n.	10
<i>Bryotropha similis</i> (Stainton, 1854)	11
<i>Bryotropha hodgesi</i> sp. n.	14
<i>Bryotropha branella</i> (Busck, 1908)	18
<i>Bryotropha altitudophila</i> sp. n.	20
Conclusions	22
Acknowledgements	23
References	23

Abstract

The Nearctic species of the genus *Bryotropha* Heinemann 1870 are reviewed. Seven species are recognized as valid, three of which are described as new: *B. gemella* sp. n., *B. hodgesi* sp. n., and *B. altitudophila* sp. n. Two other species, *B. plantariella* (Tengström, 1848) and *B. galbanella* (Zeller, 1939), are reported from the Nearctic for the first time. *B. pullifimbriella* (Clemens, 1863), *B. taha-vusella* (Forbes, 1922) and *B. clandestina* (Meyrick, 1923) are synonymized with *B. similis*. A lectotype of *Gelechia branella* Busck, 1908 is designated. Adults and genitalia are illustrated, and keys to the species are provided.

Key words: *Bryotropha*, Gelechiidae, Nearctic, review