

The Great Lakes Entomologist

Volume 34
Number 1 - Spring/Summer 2001 *Number 1 -
Spring/Summer 2001*

Article 5

April 2001

First Records of *Aethes Heleniana* (Lepidoptera: Tortricidae) in Wisconsin.

Steven J. Krauth
University of Wisconsin

Follow this and additional works at: <https://scholar.valpo.edu/tgle>



Part of the [Entomology Commons](#)

Recommended Citation

Krauth, Steven J. 2001. "First Records of *Aethes Heleniana* (Lepidoptera: Tortricidae) in Wisconsin.," *The Great Lakes Entomologist*, vol 34 (1)

Available at: <https://scholar.valpo.edu/tgle/vol34/iss1/5>

This Peer-Review Article is brought to you for free and open access by the Department of Biology at ValpoScholar. It has been accepted for inclusion in *The Great Lakes Entomologist* by an authorized administrator of ValpoScholar. For more information, please contact a ValpoScholar staff member at scholar@valpo.edu.

FIRST RECORDS OF *AETHES HELENIANA*
(LEPIDOPTERA: TORTRICIDAE) IN WISCONSIN.

Steven J. Krauth

ABSTRACT

Aethes heleniana was reared from *Helenium autumnale* in Wisconsin. This is the first record of *A. heleniana* Razowski from Wisconsin and the U.S. and the larval food plant *H. autumnale* is reported for the first time.

A colleague from the Wisconsin Department of Agriculture Trade and Consumer Protection submitted some unusual small, white and gray, moths to me for identification together with food plant material. The moths were emerging from roots of commercially grown native *Helenium autumnale* (Angiospermae: Dicotyledoneae: Compositae) (sneezeweed = Helen's weed) and were responsible for large scale failure of the planting. Twelve moths eventually emerged from the two plants submitted.

The adult moths were identified as *Aethes* by John W. Brown. Eric J. Metzler completed the identification to *Aethes heleniana* Razowski (Lepidoptera: Tortricidae) based on features of the genitalia (Razowski 1997). Razowski revised *Aethes* as known from all regions but Australian, the bulk of the species (about 100) from the Holarctic of which 40 are Nearctic. Razowski described documented first records of *A. heleniana* in the New World (Canada). This is the first record of *A. heleniana* Razowski from Wisconsin and the U.S., and the first record of *A. heleniana* being reared from *H. autumnale*. This moth may be of possible interest to commercial growers as a potential pest of the 40 species of cultivated *Helenium* and to conservation agencies charged with the preservation of native listed species.

Vouchered material is deposited in the United States National Museum, Washington, D.C. (two specimens) and the University of Wisconsin-Madison Insect Research Collection (four specimens).

RESULTS

Material examined. WISCONSIN: Columbia Co., Pardeeville, T13N, R11E, S32, 07/11/2000, Greg Helmbrecht, pupae in roots of *Helenium autumnale*. em: 07/18/2000. 12 adults.

¹Department of Entomology, University of Wisconsin, Madison, WI 53706.

ACKNOWLEDGMENTS

Thanks to John W. Brown of the Systematic Entomology Laboratory, USDA, ARS, Beltsville, MD and Eric J. Metzler of the Ohio Department of Natural Resources for their work identifying the moths. Thanks also to Daniel K. Young and an anonymous reviewer for reading and providing constructive comments on this note.

LITERATURE CITED

Razowski, J. 1997. Cochylini (Lepidoptera: Tortricidae) of Canada. *Acta Zoologica Cracoviensia* 40:107–163.