Special Issue

Corn Rootworm: Biology, Ecology, Behavior and Integrated Management

Message from the Guest Editors

Diabroticite corn rootworms are economically significant pests of grain maize in North America and Europe. Corn rootworm biology is closely tied to that of their maize hosts. Historically, the success or failure of corn rootworm management tactics was determined by how well pest managers understood and exploited rootworm biology, ecology, and behavior. The highly adaptable nature of the key pest, *Diabrotica virgifera virgifera* Leconte, the western corn rootworm, has made management an ongoing challenge. Over time, this species has evolved resistance to four insecticide classes and all commercially available rootworm-active Cry toxins expressed in Bt–maize hybrids. The future success of corn rootworm management may require a more holistic view of management than implemented in the past and the development of new tactics that are based on firm understandings of *Diabrotica* biology, physiology, ecology, and behavior. For this upcoming Special Issue, we are seeking original submissions and reviews that address and update our understanding of corn rootworm biology and management in modern production systems.

Guest Editors

Dr. Lance J. Meinke

Department of Entomology, University of Nebraska, Entomology Hall 109B, Lincoln, NE 68583-0816, USA

Dr. Joseph L. Spencer

Illinois Natural History Survey, Prairie Research Institute, University of Illinois, 1816 S. Oak St., Champaign, IL 61820, USA

Deadline for manuscript submissions

closed (31 December 2020)

Insects

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/33085

Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

mdpi.com/journal/insects

Insects

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed

mdpi.com/journal/insects

MDPI

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Brian T. Forschler
Department of Entomology, University of Georgia, 413 Biological Sciences Building, Athens, GA 30602-2603, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).