



News Release

Contact Information:

The Crop Protection Network
Quinn Zuercher
641-844-3500
Quinnmz@iastate.edu

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Exploring the Future of Sustainable Agriculture: New Web Book on Biopesticides for Crop Disease Management

Ames, IA, September 21, 2023 - A pioneering web book, titled "Biopesticides for Crop Disease Management," was released on September 19, 2023, giving readers an in-depth look into the world of natural pest solutions and their potential as an effective alternative to synthetic pesticides. Authored by crop protection experts from leading universities and institutions across North America, this new publication is a valuable guide for farmers and industry professionals seeking sustainable pest management strategies that align with the pressing need for environmentally responsible practices.

In recent years, there has been a surge in interest surrounding the use of biological products in agriculture. While synthetic pesticides play a crucial role in pest management, the emergence of biopesticides provides an additional, eco-friendly tool for farmers. The web book highlights the significant impact of bacterial microorganisms like *Bacillus* spp., widely recognized for their efficacy in managing insects, nematodes, and root rot in field crops. Fungi such as *Coniothyrium minitans* and *Trichoderma* spp. have also demonstrated their potential as biopesticides, particularly in combatting diseases like white mold in soybeans. Additionally, biopesticides contribute to the fight against fungicide resistance, reducing the pressure on pathogen populations.

One of the key objectives of this publication is to enhance the understanding of biopesticides and their application in field crops. The wealth of information provided in this resource is curated from extensive research, industry consultations, and regulatory resources. While acknowledging the dynamic nature of the biopesticide industry, the authors stress that this publication serves as a foundational guide, offering valuable insights into biological products affecting plant pathogens, particularly biofungicides, and their evolving role in agricultural disease management.



This web book is available for free at www.cropprotectionnetwork.org. Readers can easily navigate the web book with the user-friendly Table of Contents. Furthermore, this publication offers an opportunity for Certified Crop Advisors (CCAs) to enhance their expertise. By completing quizzes for each chapter, readers can earn up to six CEUs, contributing to their professional development in crop protection.

For media inquiries or further information, please contact Quinn Zuercher at 641-844-3500 or quinmz@iastate.edu.