PRESS RELEASE
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New APS PRESS Title Helps Users Exploit Beneficial Microorganisms in Agriculture
The ultimate how-to guide for isolating, culturing, and applying key Trichoderma *species*

St. Paul, Minn. (February 2016)—*Trichoderma*, a genus of beneficial microorganism that promotes nutrient and mineral uptake as well as the remediation of plant diseases, is an increasingly popular agent used in organic food production systems.

Trichoderma: *Identification and Agricultural Applications*, a new title from APS PRESS, is the ultimate 'how to' book for harnessing the benefits of *Trichoderma*. This one-of-a-kind book provides details on how to isolate *Trichoderma*, select and maintaining efficacious cultures, formulate them for application, and apply them in the field or greenhouse.

The spiral-bound laboratory manual is particularly useful to plant pathologists, biocontrol researchers, diagnosticians, ecologists, mycologists, and even medical/veterinary diagnosticians trying to identify *Trichoderma* and use their attributes in agricultural applications and studies.

No single source provides so much highly detailed information for identifying *Trichoderma* and selecting and applying useful strains in agriculture.

Authors Gary J. Samuels and Prakash K. Hebbar, both recognized experts in this growing field, draw on and translate the experimental literature to clearly describe the process of identifying *Trichoderma* cultures to species using molecular and classical techniques.

Special features of this book include:

- Full-page illustrations of the morphology of 45 species of *Trichoderma*
- A synoptic key to the 45 species--the most *Trichoderma* species ever included in a key thus far
- Explicit methods for taxonomic studies, including microscopy and culture media
- Primers for identification and phylogenetic studies of *Trichoderma*
- A wide review of the methods used in determining effectiveness in vivo and in vitro for biocontrol and other agricultural applications
- A wide review of methods of application of *Trichoderma* in agriculture
- A review of the literature concerning the interactions among *Trichoderma*, host plants, and fungal pathogens

- Shows how to isolate *Trichoderma*, how to select effective strains, how to maintain strains, how to assay the strains for efficacy in several different systems, and ways to register selected beneficial strains

A special section of the book titled, “Interactions Among *Trichoderma* Species, Plants, and Their Pathogens: A Primer,” offers layman's point of view for agriculturalists who want to understand how this beneficial microorganism interacts with the plant and its pathogens.

Trichoderma: *Identification and Agricultural Applications* is an excellent catalyst for the promotion of current applications and the development of new advances in crop management techniques in a range of disciplines, including plant pathology, mycology, ecology, and diagnostics.

Visit www.shopapspress.org to learn more about this and other important titles from APS PRESS.

Book Specifications and Data

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This book is published by The American Phytopathological Society (APS) and may be purchased for $185 plus S&H from APS PRESS.

Review copies of *Trichoderma: Identification and Agricultural Applications* are available. If you are interested in reviewing this book for your publication and can forward a copy of the published review within six months of receiving the book, please send your request with details of your publication to Dawn Wuest at aps@scisoc.org.

NOTE: Digital artwork of the book’s cover is available by contacting Dawn Wuest using the contact information provided. Please specify if the artwork will be used for print or electronic media.

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