

# **Disease and Insect Management for Organic Vegetable Production**

## **(Cucurbits, Tomatoes and Greens)**

August 15<sup>th</sup>, 2017

9AM – 4:15PM

Philips Market Center, Columbia, SC

\*Participants of this course may receive 2 Continuing Certification Hours (CCH)

This one-day course will focus on management of key disease and insect pests of cucurbits (squash, cucumbers, and melons), tomatoes and leafy greens. Participants will learn about techniques for disease and insect sampling and identification, how to diagnose damage and to determine whether damage warrants action, and about non-chemical approaches to management including cultural practices to prevent and avoid pests and diseases. Participants will also learn about organic certification guidelines related to pest management, and use of OMRI approved materials.

**9:00AM Insect and Disease Management in Cucurbit Crops** (*Drs. Tony Keinath and Rebecca Schmidt-Jeffris, Clemson University*)

- Identification of key diseases and insect pests
- Damage and discussion on action thresholds
- Non-chemical strategies (timing of planting, row/plant spacing, trap cropping, conservation bio-control and other effective cultural practices)
- Additional resources

**10:45 Break**

**11:00 Insect and Disease Management in Solanaceae Crops** *Topics as described above (Tony Keinath & Rebecca Schmidt-Jeffris)*

**12:30PM Lunch (provided on site)**

**1:15 Video on pest sampling**

**1:30 Insect and Disease Management in Leafy Greens** - *Topics as described above (Tony Keinath & Rebecca Schmidt-Jeffris)*

**3:00 Organic Certification Guidelines for Pest Management and use of OMRI approved pesticides** (*Stephen Nix, Clemson Organic Certification Program*)

**4:15 Adjourn**

## **CONTINUING EDUCATION CREDITS**

For professionals seeking Continuing Certification Hours this workshop qualifies for 2 hours. A sign in sheet will be available at the event. Please be prepared to provide your license number when signing in.

## **WORKSHOP INSTRUCTORS**

**Dr. Anthony Keinath**, *Professor of Plant Pathology, Clemson University Coastal Research and Education Center, Charleston, SC.*

Dr. Keinath serves as the vegetable pathologist for South Carolina. He has served as chair of the Publications Board for the American Phytopathological Society, and as Editor-in-Chief of Plant Disease, the leading international journal for applied plant pathology research. His research focuses on management, ecology, and epidemiology of fungal and bacterial pathogens of cucurbits and cole crops and general integrated pest management for vegetables. His area of expertise is the fungus *Stagonosporopsis citrulli*, the cause of gummy stem blight and black rot on cucurbits.

**Dr. Rebecca Schmidt-Jeffris**, *Assistant Professor of Entomology, Clemson University Coastal Research & Education Center, Charleston, SC.* Dr. Schmidt-Jeffris serves as the vegetable and strawberry entomologist for South Carolina. She is an applied arthropod ecologist with an interest in whole-system IPM approaches for solving pest management problems. Her current research focuses on how cultural and biological control coupled with selective pesticide use can improve management outcomes.

**Mr. Stephen Nix**, *Organic Program Coordinator, Clemson Organic Certification Program.*

Stephen received a B.S. degree in Geology from Clemson University. Before returning to Clemson in his role as Organic Program Coordinator, Stephen worked as an environmental consultant and also served as the South Carolina Food Systems Coordinator for the Carolina Farm Stewardship Association. Stephen also owns a small, diversified farm outside of Traveler's Rest, SC.

## **DIRECTIONS**

The Phillips Market Center is located at 3501 Charleston Hwy, West Columbia, SC. Directions can be found [here](#)[\[goo.gl\]](#).

## **REGISTRATION**

The cost for this workshop is \$20 which includes lunch and materials. Each participant will receive a hand lens for insect scouting to take home. To register please visit:

[https://secure.touchnet.net/C20569\\_ustores/web/product\\_detail.jsp?PRODUCTID=2826&SINGLESTORE=true](https://secure.touchnet.net/C20569_ustores/web/product_detail.jsp?PRODUCTID=2826&SINGLESTORE=true)[\[secure.touchnet.net\]](https://secure.touchnet.net)

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