

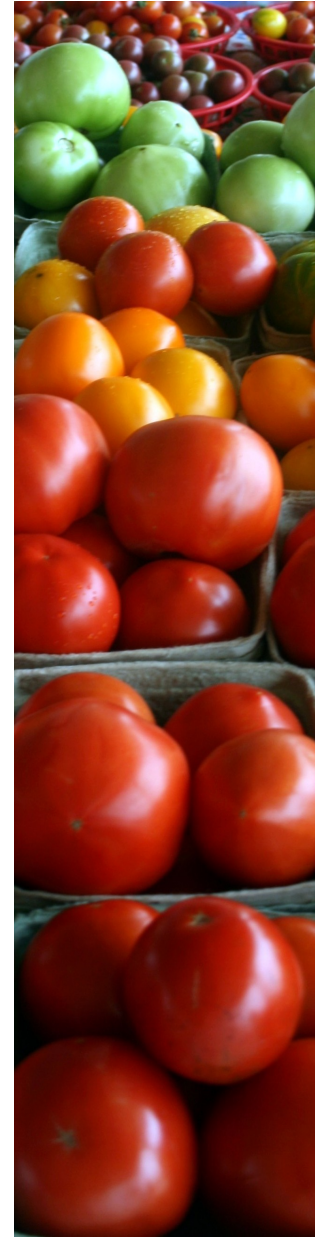
Missouri Tomato School

Thursday & Friday, May 19 & 20, 2022

Woods Chapel United Methodist Church, Lee's Summit, MO

Tomatoes are Missouri's biggest selling specialty crop but they can be a challenging crop to grow successfully.

The Missouri Tomato School brings together nationally known experts, as well as regional experts and local successful tomato farmers to share the latest best practices, as well as tried & true methods, with Missouri's growers.



Sponsors of the Conference:



The Missouri Department of Agriculture has funded a portion of this project, through a Specialty Crops grant.



The Webb City
Farmers Market



Eat local – Eat fresh



Missouri Tomato School

Thursday & Friday, May 19 and 20, 2022

Woods Chapel United Methodist Church

4725 NE Lakewood Way, Lee's Summit, MO 64064

Thursday, May 19

Registration 8:15 - 8:45 am

8:45 — **Welcome**

9:00 - 10:00 — **The Top Ten Best Practices for Tomato Harvesting & Postharvest Storage** — Casey Barickman

10:00 - 11:00 — **So, You Want to Grow Greenhouse Tomatoes** — Rick Snyder

Break

11:15 - 12:15 — **Tomato Nutrient Management 101** — Casey Barickman

12:15 - 1:30 pm - **Lunch**

1:30 - 2:30 pm — **Concurrent Sessions**

Track 1: High Tunnel & Greenhouse — When Bad Things Happen to Good Tomatoes
— Rick Snyder

Track 2: Crash course on hydroponic tomato cultivation — Juan Cabrera-Garcia

2:30 - 3:30 — **Tomato Disease Management** — Jaimin Patel

Break

3:45 - 4:30 — **What's bugging you might not be bugging your tomatoes!** Beneficials and Pests — Tamra Reall

4:30 - 5:30 — **Using Essential Oils to Control Apids, Spider Mites, and Thrips in High Tunnels** — David Middleton/ **Comparing Yields and Success of Grafted vs. Ungrafted Tomatoes** — Kelly McGowan

•*All presentations subject to change.*

Friday, May 20 — Farm tour and on-farm demonstrations led by our presenters
Redfearn Farm—26355 East Bundschu Road, Independence, Missouri 64056

9 – 11:30 – Redfearn Farm is a diverse vegetable farm, growing a variety of types of determinate and indeterminate tomatoes, including grafted, in high tunnels and greenhouses and fields. The Redfearn family have been farming for 13 years and primarily market through a CSA.

Presenters

Dr. Rick Snyder, Mississippi State University – Dr. Snyder recently retired after serving 33 years as Extension/ Research Professor at the Truck Crops Experiment Station in Crystal Springs, MS. His educational background includes a B.S. from the University of Connecticut, an M.S. from Ohio State University, and Ph.D. from Cornell University, all in horticulture. His areas of specialty include commercial production of greenhouse tomatoes and other vegetables, as well field vegetables. Dr. Snyder hosted the well-known Mississippi Greenhouse Tomato Short Course for 28 years and is a highly sought speaker on all aspects of greenhouse tomato production. He continues to be a greenhouse columnist for American Vegetable Grower Magazine after 29 years and still enjoys speaking to growers' groups and doing some greenhouse consulting during his retirement.



Dr. T. Casey Barickman—Dr. Barickman is an Associate Research Professor at Mississippi State University's North Mississippi Research and Extension Center specializing in plant physiology and vegetable production systems. Dr. Barickman has over 16 years of experience in horticulture research studying plant physiology. His research focuses on environmental stress and genetic interactions that affect plant growth and development, vegetable nutritional quality, and nutrient management for vegetable production systems. Dr. Barickman's lab blends applied and basic research to provide science-based management recommendations to vegetable growers in Mississippi.

Dr. Jaimin Patel is an Assistant Professor of Plant Pathology at Lincoln University focused on the study of diseases of industrial hemp and specialty crops. He is interested in applying creative and innovative approaches for control of important plant diseases. His other interests include identifying novel antimicrobial molecules, understanding visible and UV lights for disease control, studying fungicide resistance mechanisms in plant pathogens, characterizing phytotoxin produced by plant pathogens, understanding host-pathogen interactions, implementing disease control methods in organic agriculture, studying factors affecting pathogen biology, and identifying new and emerging plant diseases.



Dr. Tamra Reall is the MU Extension Field Specialist in Horticulture in Kansas City. Her major program areas include horticulture, food security, urban entomology, and environmental stewardship. She is the author of "Kids Ask Dr. Bug." Outside of work, she enjoys being a mom, gardening, admiring insects, and being involved in the community.*



Dr. Juan Cabrera-Garcia, Assistant Research Professor at UMKC, and State Vegetable Specialist at University of Missouri Extension, is a plant scientist and expert in hydroponics and horticulture. Juan has executed on several research and extension projects related to hydroponic production and has taught hydroponic crop production to commercial growers, Hispanic beginning farmers, high school students, veterans, and college students.*

David Middleton grew up on a diversified grain & livestock farm near Laddonia, MO & graduated from the University of Missouri with a B.S. & M.S. in Animal Science. David worked with Lincoln University Cooperative Extension (LUCE) from 2014 to 2022 and was the Hemp Outreach Coordinator.*



Kelly McGowan (left) serves as an MU Extension Field Specialist in Horticulture. Areas of concentration include vegetable production and soil fertility. Kelly obtained her Bachelor of Science degree in Horticulture from Missouri State University's Darr School of Agriculture. She received her Master of Science degree in Natural Resources and Agroforestry through the University of Missouri. *



Patrick Byers (far right) is field specialist in horticulture with the Webster County office of University of Missouri Extension with extensive experience in field & protected tomato production.*



Robert Balek (left) is a field specialist in horticulture with the Jasper County office of University of Missouri Extension & works with tomato growers in Southwest Missouri.*



Angela Brattin, Lincoln University Cooperative Extension, Innovative Small Farm Outreach Program, Farm Outreach Worker, is a 2007 graduate of Crowder College where she was in the inaugural veterinary technology class and



obtained her Registered Veterinary Technician license. In 2018 Angela built a high tunnel and started a market garden where she sells produce at a farmstand on her farm. Angela has been working at Lincoln University since February 2021 serving the small farmers in Southwest Missouri. *

Eileen Nichols is a volunteer with the Webb City Farmers Market.*

***Organizing Committee**

Registration Form— Registration includes lunch on Thursday, all presentations and handouts, and farm tour on Friday.

Mail with check made out to Webb City Farmers Market to :

Webb City Farmers Market, PO Box 1, Webb City, MO 64870

Questions or need to use your credit card? Call Eileen at 417 483-8139.

Name Farm/Business Name

PO Box/street address E-mail address

Town/State/Zip Telephone

Additional person(s) attending:

Email or mailing address if different from above

Fee(s): (\$30 x number of people attending) Total enclosed: \$ _____

I would like my contact information, as well as that of the others I am registering included in a contact list provided to attendees _____yes _____no

Please share information with us about attendees you are registering.

I am a beginner tomato grower _____

I am an experienced tomato grower _____

I am an expert tomato grower _____

I am an educator _____

To ensure you get lunch, please let us know you're coming by May 17

Dietary or other information: