

# Small Farm Education Field Day and Webinar Series

2021

**Field Day**  
**July 29**

in-person at the  
Purdue Student Farm

**Webinar Series**  
**August 2 - 13**

live, online  
education



PRESENTED BY:

The Purdue  
Student Farm  
and



Horticulture and Landscape Architecture

REGISTER TODAY: <https://www.purdue.edu/hla/sites/studentfarm/events/>

## Please join us for the 2021 Small Farm Education Field Day and Webinar Series!

This year we're happy to offer an in-person Field Day on July 29 at the Purdue Student Farm in West Lafayette and live, online education seminars August 2 - 13 as a webinar series.

### QUESTIONS? Contact ...

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### REGISTER TODAY!

Click to register or scan the QR code →

A Zoom link for the webinars will be emailed to you after registering.



## MONDAY, AUGUST 9

12:00 – 1:30 pm EST

Moderator: Petrus Langenhoven

### Control of Bacterial Spot of Tomato Using Alternative Products

*Dan Egel, Purdue University*

Bacterial spot of tomato is a huge limitation to field production of tomatoes in Indiana. Lesions on foliage and fruit reduce fruit quality and/or yield. Traditionally, copper products have been used to combat bacterial spot. However, a survey of bacterial spot in Indiana revealed that 80% of fields were affected by bacterial spot strains that are resistant to copper. In addition, copper may reduce vigor of plants and may accumulate in the soil. Therefore, many growers are interested in alternative products for bacterial spot control. Alternative products that will be discussed include: plant defense inducing products, peroxide/peroxyacetic acid and biological controls. These products will be compared with grower standard products. Both organically listed products and conventional products will be discussed.

### Perennial Weeds and Their Management

*Stephen Meyers and Jeanine Arana, Purdue University*

Perennial weeds like dandelion, dock, and Canada thistle establish over time, and it takes a dedicated effort to manage them in the long-term. Learn which management tactics work and which could make your perennial weed problems worse.

### Small-scale Onion Production and Postharvest Handling Tips

*Petrus Langenhoven and Chris Adair, Purdue University*

In 2020, we started to test different long day onion varieties at the farm. This year, we have included ten onion varieties in the demonstration. During this presentation we would like to talk about seedling production, field preparation, planting techniques, nutrient management, irrigation, pests, and storage. We will also discuss 2020 onion yields.



**Daniel S. Egel** conducts statewide vegetable disease research and extension programs at Purdue University. Current efforts include managing tomato diseases with organic or alternative products

and finding solutions to Fusarium wilt of watermelon transplants. Dr. Egel also runs the National MELCAST program, a weather-based disease-forecasting program. Dan received his B.S. degree in Botany from Miami University in Oxford, Ohio, his M.S. degree in Forestry from Purdue University and his Ph.D degree in plant pathology from the University of Florida.



**Dr. Meyers** joined the faculty in the Purdue University Department of Horticulture and Landscape Architecture as an Assistant Professor in August 2019. He conducts research in weed biology,

weed-crop interactions, herbicide tolerance, and integrated weed management strategies and provides the state's specialty crop producers with timely, research-based weed management recommendations.



**Dr. Petrus Langenhoven** is a Horticulture and Hydroponics Crops Specialist in the Department of Horticulture and Landscape Architecture at Purdue University. His strong background in horticulture

production research and Extension allows him to leverage research and Extension programming around new technologies and expertise in high tunnel and greenhouse management and open field vegetable production. He co-chairs the Indiana Horticultural Conference and Expo and is co-director of the Purdue Student Farm.



**Jeanine Arana** hails from Nicaragua and is a second year Masters student in Purdue's Department of Horticulture and Landscape Architecture under Dr. Stephen L. Meyers' program. At Purdue, she is specializing in weed science. Her research focuses on evaluating the interference of morningglories with specialty crops, and the tolerance of specialty crops to herbicides.



**Chris Adair** is the Purdue Student Farm Manager in the Department of Horticulture and Landscape Architecture at Purdue University. His focus is to manage the farm as a functioning living laboratory that maximizes sustainable vegetable and herb production, student and grower engagement, and research.