

# VegNet

## *The Vegetable and Fruit Crops Teams Newsletter*

<http://vegnet.osu.edu>

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## A High-Tunnel That is Easy to Move and Easy to Keep in Place

*From Matt Kleinhenz, Department of Horticulture and Crop Science, The Ohio State University*

The Vegetable Production Systems Laboratory (VPSL) at The OSU-OARDC in Wooster, OH partners with companies, organizations, agencies, and others to develop and test products, tools, and processes that help vegetable growers. Our most recent collaborations include providing input on and a site for testing of a type of high tunnel designed to be moved and secured in place easily and reliably. We discussed this type of tunnel with Rimol Greenhouse Systems, Inc of Hooksett, NH beginning in 2011 and one was installed at OARDC in August 2014. The 30 ft x 48 ft, double-layer, and semi-automated “Moveable Feast” tunnel at OARDC is one of several being tested in the U.S. and the only one currently in Ohio. In our experience, the tunnel can be secured in place very reliably but also moved very easily, an important combination in moveable tunnels. Using only a few hours, people, and hand tools, we moved the tunnel to other nearby sites in August of 2015 and 2016. **(Continued on next page)**



# A High-Tunnel That is Easy to Move and Easy to Keep in Place

*From Matt Kleinhenz, Department of Horticulture and Crop Science, The Ohio State University*

Between moves, however, the moveable tunnel was as secure as nine stationary tunnels at the same location. The picture of the tunnel included here was taken shortly before it was moved on August 24, 2016. Note that the removable panels and doors in the endwalls allow the tunnel to clear raised beds. Also, the solar panel charges a battery that powers a control board and inflation fan; internal sensors monitor temperatures and the control board regulates the endwall vents and sidewall curtains, automating much of the high tunnel's ventilation. The tunnel is moved with wheels and hand tools, requiring little strength or time. Also, the tunnel can be used on sloped terrain. Four ground anchors and four posts keep it in place when needed.

Pictures of each step in the move are available at our Facebook ([https://www.facebook.com/155936034478066/photos/?tab=album&album\\_id=294878683917133](https://www.facebook.com/155936034478066/photos/?tab=album&album_id=294878683917133)) and website (<http://u.osu.edu/vegprolab/photo-gallery/moveable-feast-high-tunnel/>).

Overall, how can a moveable tunnel help? Covering and exposing specific soils, crops, and spaces for specific periods gives growers options mostly unavailable with stationary tunnels. These options increase rotation, soil management, and space utilization opportunities, all of which can enhance disease, pest, and fertility management, and profit potential, perhaps especially in small to midscale operations.

Please contact me (ph. 330.263.3810; [kleinhenz.1@osu.edu](mailto:kleinhenz.1@osu.edu)) for more information.



The 30 ft x 48 ft, double-layer, and semi-automated Rimol Greenhouse Systems, Inc "Moveable Feast" high tunnel installed at the OSU-OARDC in Wooster in August-2014. The tunnel was moved in August of 2015 and 2016 using a few people, a few hours, and a few hand tools and a process described in pictures (see <http://u.osu.edu/vegprolab/photo-gallery/moveable-feast-high-tunnel/>). A video will also be available soon.





**THE OHIO STATE UNIVERSITY**

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# Ohio State University South Centers 25<sup>th</sup> Anniversary

*Extending Knowledge, Growing Southern Ohio, and Enhancing Lives*

***Come celebrate our 25th Anniversary with us...***

**Date:** Thursday, September 15, 2016

**Time:** 5:00 p.m.— 8:00 p.m.

**Location:** OSU South Centers  
1862 Shyville Road, Piketon Ohio

**For more information contact:** Charissa Gardner at  
gardner.1148@osu.edu or 740.289.2071 ext. 132

## **The celebration will include:**

### **Walking and wagon tours of:**

- ◆ Aquaculture, Horticulture, Soil and Water Research facilities
- ◆ Endeavor Center (business incubator)

### **Come take a closer look at:**

- ◆ Sturgeons, Yellow Perch, and Bluegill
- ◆ Aquaponic System
- ◆ Indoor Recirculating Aquaculture System
- ◆ Hops Yard
- ◆ Wine Grape Production
- ◆ Cover Crops Research

### **Learn about techniques to start and assist your business:**

- ◆ SBDC counselors
- ◆ Marketing Specialists
- ◆ Joining a co-op with your farm/business

### **OSU Student Recruitment:**

- ◆ Visit with recruitment representative
- ◆ Learn about the OSU College of Food, Agricultural, and Environmental Sciences
- ◆ Informational handouts

### **Come and enjoy:**

- ◆ Prize giveaway-OSU signed football by Coach Urban Meyer
- ◆ Door prizes
- ◆ Refreshments
- ◆ Family fun activities

**Directions:** Approximately 1 mile east of the intersection of State Route 32 and US 23 at the intersection of State Route 32 and Shyville Road (Pike County)



OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
OHIO STATE UNIVERSITY EXTENSION

# Pumpkin Field Night

(In conjunction with OSU South Centers 25th Anniversary celebration)

OSU South Centers

Hosted by Brad Bergefurd

Thursday,

**September 15th,  
2016**

25th Anniversary Open House is  
from 5:00 p.m.— 8:00 p.m.

**Field Night** is from  
6:00—8:30 P.M.

## Location:

OSU South Centers  
1864 Shyville Rd.  
Piketon, OH

## Cost: FREE

(includes refreshments)

## To Register:

Contact Charissa Gardner  
at [gardner.1148@osu.edu](mailto:gardner.1148@osu.edu) or  
at 740.289.2071 ext. 132

**DEADLINE to Register:**  
September 13, 2016



Photo courtesy of Turkey Run Farms

The workshop will include the following:

- Pumpkin crop management
- 70 Pumpkin cultivar evaluations
- Pest and disease control
- Disease screening for resistance to powdery mildew, downy mildew, anthracnose and white speck
- Integrated pest management (IPM) techniques
- Walking tour of our pumpkin variety evaluations and field research trials
- Israeli drip irrigation management



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# OHIO STATE UNIVERSITY EXTENSION, SANDUSKY COUNTY NORTH CENTRAL AGRICULTURAL RESEARCH STATION

## OSU Vegetable Workshop Series

Join the staff at the North Central Ag Research Station near Fremont and OSU Extension on the 2<sup>nd</sup> Thursday of each month, April through October for catered breakfast, industry updates, and in-depth tips, tricks, and information from researchers to help make your 2016 growing season a profitable one! Attend when the topic suits you, or come each month and stick around after the speaker to view the OARDC field trials or network with peers and industry reps.

**2<sup>nd</sup> Thursday: April – Oct.**

*\*Bring your plant disease and insect samples for identification  
and same day delivery to the OARDC lab, free of charge!*

7:00 a.m. Breakfast

with OSU and industry updates

7:30 a.m. Featured speaker

8:00 a.m. Field walk / networking

**Held at NCARS office, No rsvp, No cost!**

### For more information contact:

Allen Gahler, OSU Extension Sandusky County  
419-334-6340  
gahler.2@osu.edu

Matt Hofelich, North Central Ag Research Station  
419-332-5142  
hofelich.4@osu.edu

**Aug. 4: *Sweet Corn Evaluation/tasting and insect management***

Mike Gastier, Extension Educator – Huron County  
Celeste Welty, Extension Entomologist

**Sept. 8: *Pepper Evaluation and field walk***

Allen Gahler, Extension Educator – Sandusky County  
***Non-Insured Crop Disaster Assistance Program Briefing***  
Brenda Turley, CED – Henry County Farm Service Agency

**Oct. 13: *Soil Health and Water Quality - How does it affect me?***

***A look at edge of field studies and NCARS water samples***  
Libby Dayton, OSU Soil Scientist



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OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER  
OHIO STATE UNIVERSITY EXTENSION

# Ohio State University Direct Marketing Food & Agriculture

## 2016 Webinar Series

One-hour webinars will be offered to bring exceptional speakers to your home, office or local Extension center. If you're interested in finding out more about marketing issues, visit the website for details.



## 2016 Direct Marketing Webinar Series All webinars begin at 12 noon

Date	Topic	Lead Presenter	Connection
Feb. 18	Marketing Trends Learned from the Super Bowl	Eric Barrett & Rob Leeds	<a href="http://carmenconnect.osu.edu/marketingtrends2016/">http://carmenconnect.osu.edu/marketingtrends2016/</a>
Mar. 2	Using All Your Senses in Branding Your Business	Eric Barrett & Rob Leeds	<a href="http://carmenconnect.osu.edu/brandingyourbusiness/">http://carmenconnect.osu.edu/brandingyourbusiness/</a>
Apr. 21	Enhancing Your Web Presence	Melissa Carter	<a href="http://carmenconnect.osu.edu/enhancingwebpresence/">http://carmenconnect.osu.edu/enhancingwebpresence/</a>
May 26	Product Recall & Traceability	Eric Pawlowski	<a href="http://carmenconnect.osu.edu/productrecallandtracibility/">http://carmenconnect.osu.edu/productrecallandtracibility/</a>
June 16	Product Labeling	Emily Adams	<a href="http://carmenconnect.osu.edu/productlabeling/">http://carmenconnect.osu.edu/productlabeling/</a>
July 21	Celebrate Ohio Local Foods Week	Heather Neikirk & Patricia Barker	<a href="http://carmenconnect.osu.edu/localfoodsweek/">http://carmenconnect.osu.edu/localfoodsweek/</a>
Aug. 18	Produce Auctions	Brad Bergefurd	<a href="http://carmenconnect.osu.edu/auctionsforproduce/">http://carmenconnect.osu.edu/auctionsforproduce/</a>
Sept. 15	Pricing Your Products	Megan Leffew	<a href="http://carmenconnect.osu.edu/pricingproducts/">http://carmenconnect.osu.edu/pricingproducts/</a>
Oct. 20	Cooperatively Marketing Your Products	Hannah Scott	<a href="http://carmenconnect.osu.edu/marketingyourproducts/">http://carmenconnect.osu.edu/marketingyourproducts/</a>
Nov. 17	Using Facebook For Your Business	Duane Rigby	<a href="http://carmenconnect.osu.edu/facebookforyourbusiness/">http://carmenconnect.osu.edu/facebookforyourbusiness/</a>
Dec. 15	Survey Results for Ohio Produce Marketers	Direct Marketing Team	<a href="http://carmenconnect.osu.edu/surveyresultsformarketers/">http://carmenconnect.osu.edu/surveyresultsformarketers/</a>

For recordings of all webinars go to [go.osu.edu/DirectMarketingWebinars](http://go.osu.edu/DirectMarketingWebinars)



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### Submit Articles:

To submit an article to the VegNet newsletter please send the article and any photos to **Brad Bergefurd** at [bergefurd.1@osu.edu](mailto:bergefurd.1@osu.edu) or for questions regarding the newsletter call 740.289.2071 ext.132

## About the editor

### Brad Bergefurd

Bergefurd is an Extension Educator, Agriculture and Horticulture Specialist with Ohio State University Extension, with statewide responsibilities for outreach and research to the agriculture and commercial fruit and vegetable industries Brad has offices at the OSU Piketon Research & Extension Center in Piketon and at OSU Extension Scioto County in Portsmouth.



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