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) 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) 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.
Ohio State University South Centers
25th 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 (Fike County)
Pumpkin Field Night
(In conjunction with OSU South Centers 25th Anniversary celebration)
OSU South Centers
Hosted by Brad Bergefurrd

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 or at 740.289.2071 ext. 132

DEADLINE to Register:
September 13, 2016

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
OSU Vegetable Workshop Series

Join the staff at the North Central Ag Research Station near Fremont and OSU Extension on the 2nd 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.

2nd 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 Gastler, 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

THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

oardc.osu.edu | sandusky.osu.edu

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: go.osu.edu/cfaesdiversity.
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

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Lead Presenter</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr. 20</td>
<td>Enhancing Your Web Presence</td>
<td>Melissa Carter</td>
<td><a href="http://carmenconnect.osu.edu/enhancingwebpresence/">http://carmenconnect.osu.edu/enhancingwebpresence/</a></td>
</tr>
<tr>
<td>May 26</td>
<td>Product Recall &amp; Traceability</td>
<td>Eric Pawlowski</td>
<td><a href="http://carmenconnect.osu.edu/productrecallandtraceability/">http://carmenconnect.osu.edu/productrecallandtraceability/</a></td>
</tr>
<tr>
<td>June 18</td>
<td>Product Labeling</td>
<td>Emily Adams</td>
<td><a href="http://carmenconnect.osu.edu/productlabeling/">http://carmenconnect.osu.edu/productlabeling/</a></td>
</tr>
<tr>
<td>July 21</td>
<td>Celebrate Ohio Local Foods Week</td>
<td>Heather Neilson &amp; Patricia Barker</td>
<td><a href="http://carmenconnect.osu.edu/localfoodsweek/">http://carmenconnect.osu.edu/localfoodsweek/</a></td>
</tr>
<tr>
<td>Aug. 18</td>
<td>Produce Auctions</td>
<td>Brad Berglund</td>
<td><a href="http://carmenconnect.osu.edu/suppliersforproduce/">http://carmenconnect.osu.edu/suppliersforproduce/</a></td>
</tr>
<tr>
<td>Sept. 15</td>
<td>Pricing Your Products</td>
<td>Megan Leftow</td>
<td><a href="http://carmenconnect.osu.edu/pricingproducts/">http://carmenconnect.osu.edu/pricingproducts/</a></td>
</tr>
<tr>
<td>Oct. 20</td>
<td>Cooperatively Marketing Your Products</td>
<td>Hannah Scott</td>
<td><a href="http://carmenconnect.osu.edu/marketingcooperatives/">http://carmenconnect.osu.edu/marketingcooperatives/</a></td>
</tr>
<tr>
<td>Nov. 17</td>
<td>Using Facebook for Your Business</td>
<td>Duane Rigby</td>
<td><a href="http://carmenconnect.osu.edu/facebookforbusiness/">http://carmenconnect.osu.edu/facebookforbusiness/</a></td>
</tr>
<tr>
<td>Dec. 15</td>
<td>Survey Results for Ohio Produce Marketers</td>
<td>Direct Marketing Team</td>
<td><a href="http://carmenconnect.osu.edu/surveyresultsformarketers/">http://carmenconnect.osu.edu/surveyresultsformarketers/</a></td>
</tr>
</tbody>
</table>

For recordings of all webinars go to go.osu.edu/DirectMarketingWebinars

http://directmarketing.osu.edu

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: http://go.osu.edu/cfaesdiversity.
Disclaimer: Information in this newsletter presented above and where trade names are used, they are supplied with the understanding that no discrimination is intended and no endorsement by Ohio State University Extension is implied. Although every attempt is made to produce information that is complete, timely, and accurate, the pesticide user bears responsibility of consulting the pesticide label and adhering to those directions. Ohio State University Extension embraces human diversity and is committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, or veteran status. This statement is in accordance with United States Civil Rights Laws and the USDA. Keith L. Smith, Associate Vice President for Agricultural Administration; Associate Dean, College of Food, Agricultural, and Environmental Sciences; Director, Ohio State University Extension and Gist Chair in Extension Education and Leadership. TDD No. 800-589-8292 (Ohio only) or 614-292-1868.

Submit Articles:
To submit an article to the VegNet newsletter please send the article and any photos to Brad Bergefurd at bergefur.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.