Penn State Horticultural Research Farm Open House

Penn State maintains a 106-acre farm in Manheim where scientists evaluate, in an objective way:

- The growth, health, productivity, appearance, disease and pest resistance of flowers, trees, vegetables, and farm crops in our local weather environment and soil conditions.
- Best practices for farmers and home gardeners.
- Methods to identify the most efficient pesticide, including most eco-friendly.

Each year, researchers at the farm evaluate 1200 to 1500 commercial plant varieties from all over the world. Penn State publishes the results for use by greenhouse growers, farmers, and homeowners.

Typically, 95% of the growers change their orders based on test results. Homeowners can also use this data to select the “best” plants for their gardens. Use this link to access the data [http://capitalhort.cas.psu.edu/Research.html](http://capitalhort.cas.psu.edu/Research.html)

The research farm is used as an outdoor teaching facility. And once a year, plant scientists and Master Gardeners from seven counties host an open house for the public. The day is packed with presentations, exhibits, and events.

**It’s family focused with lots of activities for parents, children, and grandparents. You are cordially invited to the “Summer Garden Experience” at the Penn State Research Farm**

**1446 Auction Rd, Manheim, PA**

(2.6 miles west of Rte 72 on Auction Road)

**Saturday, July 25, 2009, 9 AM - 2 PM.**

Featured presentations by leading scientists include Dr. Robert Berghage, Dr. Douglas Tallamy and Professor Eugene Wingert.

Dr. Robert Berghage of Penn State will discuss pollinator gardens and the best plants for native bees and other native pollinators. Loss of habitat and flowering plants is an important factor in the decline of pollinators. Homeowners can help by growing specific types of plants to provide food sources these insects need to survive and thrive.

Dr. Douglas Tallamy of University of Delaware, and author of “Bringing Nature Home”, will discuss the importance of native plants to wildlife. Young birds need protein and calcium rich foods; namely, insects for growing bones, muscle, feathers, beaks, and claws. We can help birds by growing diverse, native plants, required by insects, in our yards.

Professor Eugene Wingert of Dickinson College will discuss “A History of Penn’s Woods”.

Throughout the day, there will be short seminars on a wide range of subjects including Growing Fantastic Vegetables, Invasive Plants, Container Gardening, Tree Fruit Espaliers, Composting, Weed Identification, Lawn Care, and much more - - -.
“Ask the Expert” is an opportunity for homeowners to bring their garden questions and samples to Master Gardeners for diagnosis, identification, and recommendations.

Kid’s Camp has fun activities for ages 5-12. Pre-registration and a $ 5 fee are required. Call Lebanon County (717) 270-4391 to register.

There will be workshops on Flower Arranging (free), and Building bee boxes ($ 20 for materials).

Bring your camera for a walking tour of a colorful display of 1200 varieties of annual flowers on test and tractor-pulled wagon tours of the picturesque farm in the rolling hills of Lancaster County.

Parking space is limited. Please carpool and come early. The entrance fee, including parking, is $ 10/vehicle. This fee covers all events except Kid’s Camp and Building Bee Boxes, which require pre-registration and a separate fee.

Mark your calendar to attend the open house on July 25th, 9 AM to 2 PM at 1446 Auction Rd, Manheim, PA (2.6 miles west of Rte 72).

For more info, see [http://capitalhort.cas.psu.edu/Default.html](http://capitalhort.cas.psu.edu/Default.html) or, call your County Cooperative Extension:

Adams County 717-334-6271
Cumberland County 717-240-6500
Dauphin County 717-921-8803
Franklin County 717-263-9226
Lancaster County 717-394-6851
Lebanon County 717-270-4391
York County 717-840-7408

**SCHEDULE OF EVENTS, PRESENTATIONS & DEMONSTRATIONS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00-9:30 AM</td>
<td>Invasive Plants&lt;br&gt;Tree Fruit Espaliers</td>
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<tr>
<td></td>
<td>A History of Penn’s Woods, Eugene Wingert&lt;br&gt;Walking tour – annual flowers on test</td>
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<tr>
<td>9:00-11:00 AM</td>
<td>Kid’s Camp (pre-registration and $ 5 fee)</td>
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<tr>
<td>9:30-10:00 AM</td>
<td>Composting&lt;br&gt;Great Vegetables from Containers</td>
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<tr>
<td>10:00-10:30 AM</td>
<td>Container Gardening&lt;br&gt;Harvesting Herbs&lt;br&gt;Lawn Care</td>
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<tr>
<td>10:00-11:00 AM</td>
<td>Pollinator Plants, Dr. Robert Berghage&lt;br&gt;Tractor-pulled wagon farm tour</td>
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<tr>
<td>10:30-11:00 AM</td>
<td>Beneficial Insects&lt;br&gt;Enhancing Foraging Habitat for Native Bees</td>
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<td>Walking tour – annual flowers on test</td>
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<tr>
<td>11:00-11:30 AM</td>
<td>Good Bug Tub&lt;br&gt;Tree Fruit Espaliers&lt;br&gt;Weed Identification</td>
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<td>“Bringing Nature Home”, Dr. Douglas Tallamy</td>
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<tr>
<td>11:30-12:00 PM</td>
<td>Container Gardening&lt;br&gt;Preserving Herbs</td>
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<tr>
<td>11:30-12:30 PM</td>
<td>Tractor-pulled wagon farm tour</td>
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<tr>
<td>12:00-1:00 PM</td>
<td>Backyard Grapes&lt;br&gt;Green Roof Planting Demonstration&lt;br&gt;Lawn Care</td>
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<tr>
<td></td>
<td>Walking tour – annual flowers on test</td>
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<tr>
<td>12:00-2:00 PM</td>
<td>Kid’s Camp (pre-registration and $ 5 fee)</td>
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<tr>
<td>12:30-1:00 PM</td>
<td>Beneficial Insects&lt;br&gt;Nesting Habitats for Bees&lt;br&gt;Using Glyphosate (e.g. Roundup) Effectively</td>
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<tr>
<td>1:00-1:30 PM</td>
<td>Invasive Plants</td>
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<tr>
<td>1:00-2:00 PM</td>
<td>Building Bee Boxes (registration and $ 20 fee)&lt;br&gt;Cut Flower Arrangement Demonstration&lt;br&gt;Tractor-pulled wagon farm tour</td>
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<tr>
<td>1:30-2:00 PM</td>
<td>Composting</td>
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</tbody>
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### PRESENTERS AT SUMMER GARDEN EXPERIENCE

#### University Staff:
- **Dr. Robert Berghage**  
  Penn State  
  “Pollinator Plants”, “Green Roof Planting”
- **Dr. Douglas Tallamy**  
  University of Delaware  
  “Bringing Nature Home” native plants for wildlife
- **Professor Eugene Wingert**  
  Dickinson College  
  “A History of Penn’s Woods”

#### Penn State Cooperative Extension Educators:
- **Tim Abbey**  
  York County  
  “Beneficial Insects”
- **Tara Baughter**  
  Adams County  
  “Tree Fruit Espaliers”
- **Steve Bogash**  
  Franklin County  
  “Using Glyphosate (e.g. Roundup) Effectively”  
  “Great Vegetables from Containers”
- **Mark Chien**  
  Lancaster County  
  “Backyard Grapes”
- **Tim Elkner**  
  Lancaster County  
  Tractor-pulled Wagon Tour of Research Farm
- **Annette MaCoy**  
  Cumberland County  
  Director for Variety Flower Trials
- **Alan H. Michael, M.S.**  
  Dauphin County  
  “Weed Identification”
- **Alex Surcica**  
  Franklin County  
  “Building Bee Boxes”, “Foraging Habitat for Bees”
- **James Welshans**  
  Dauphin County  
  “Lawn Care”

#### Penn State Master Gardeners and Nursery Personnel:
- **Chris Abel**  
  Lancaster County  
  “Container Gardening”
- **Linda Bombargner**  
  Esbenshares  
  “Container Gardening”
- **Carol Caplinger**  
  Cumberland County  
  “Invasive Plants”
- **Debbie Hartman**  
  Lebanon County  
  “Harvesting Herbs”, “Preserving Herbs”
- **Bob McGregor**  
  Cumberland County  
  “Composting”
- **Diane Tannehill**  
  Lancaster County  
  Cut Flower Arrangement Demonstration
- **Martie Young**  
  Adams County  
  “Good Bug Tub”
HOW TO GET THERE....
Southeast Ag Research & Extension Center
1446 Auction Road
Manheim, PA 17545-9140
717-653-4728
http://research.cas.psu.edu/landisville.htm

FROM HARRISBURG: Take PA 283 east toward Lancaster. Exit at Esbenshade Road (just past Mt. Joy exit). Turn left at top of exit ramp. Immediately after crossing over 283, turn right on Auction Road. Follow Auction Road to “T” at Erisman Road. Turn right and follow Erisman Road around the curve. Then turn left, back onto Auction Road (just before the covered bridge). The PSU driveway is on the left as you go around the curve.

FROM LANCASTER: Take PA 283 west toward Harrisburg. Exit at Salunga exit (after the Landisville exit). Turn right at top of ramp, onto Spooky Nook Road. Turn left on Shenck Road (at the old Armstrong warehouse). Turn left across the covered bridge, then turn right on Auction Road. The PSU driveway is on the left as you go around the curve.

FROM YORK: Take US 30 east toward Lancaster. After crossing the Susquehanna River, take second exit (Prospect Road). Turn left on Prospect Road and follow for several miles. About ½ mile after crossing over PA 283 (4-lane highway), turn left on Shenck Road (at old Armstrong warehouse). Turn left across the covered bridge, then turn right on Auction Road. The PSU driveway is on the left as you go around the curve.

Penn State College of Agricultural Sciences research, extension, and resident education programs are funded in part by Pennsylvania counties, the Commonwealth of Pennsylvania, and the U.S. Department of Agriculture.

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing special accommodations or have questions about the physical access provided, please contact Southeast Research & Extension Center at 717-653-4728 in advance of your participation or visit.

This publication is available in alternative media upon request.

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A CORNUCOPIA OF IDEAS!

Sponsored by the Penn State Capital Region Horticulture Team
http://capitalhort.cas.psu.edu

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Southeast Ag Research & Extension Center 717-653-4728

4th Annual Summer Garden Experience
Saturday, July 25, 2009
9:00 am – 2:00 pm
Southeast Agricultural Research & Extension Center, Landisville
Summer Garden Experience  July 25, 2009  9:00 am – 2:00 pm

WHO’S INVITED?
You, your family, friends, and anyone interested in learning more about gardening and Penn State horticulture research.

WHAT IS THE SUMMER GARDEN EXPERIENCE?
It’s the flavor of the summer on the farm. Join the Penn State Capital Region Horticulture Team for our 4th annual open house event showcasing Penn State horticulture and agriculture research with farm wagon tours, variety trials, speakers, demonstrations, and much more. Come for a fun day full of information you can use in your own garden!

WHAT IS THE PENN STATE SOUTHEAST AG RESEARCH & EXTENSION CENTER?
The Southeast Center, part of Penn State University’s College of Agricultural Sciences, is located in Lancaster County. Penn State researchers, Extension educators, and the USDA conduct cultivar testing of grain crops, forages, annual and perennial flowers, flowering crabapples, strawberries, tomatoes, pumpkins, and other horticultural crops. They also study disease, insect, and weed pest control, cover crops, inoculants, fertility, and

SCHEDULE OF EVENTS...

Feature Presentations
9:00 — A History of Penn’s Woods
Eugene Wingert of Dickinson College explains how the landscape of Penn’s Woods has changed since colonial times.
10:00 — Pollinator Plants
Dr. Robert Berghage of Penn State shows the best plants for your garden to provide habitat for essential pollinators.
11:00 — Bringing Nature Home
Dr. Douglas Tallamy of the University of Delaware explains that your backyard can be an oasis to sustain native wildlife.

Farm Wagon Tours — 10:00, 11:30, & 1:00
Take a tractor-pulled wagon tour of the research farm and demonstration plots with Extension Educator Tim Elkner.

Variety Trials Tours — 9:00, 10:30, & 12:00
Join Trial Director Alan Michael on a walking tour of the colorful display of over 1200 of the newest varieties of annual flowers for bedding and containers.

Special Workshops (class size is limited)
1:00 — Building Bee Boxes with Alex Surcica
$20 fee for materials. Limited to 30 on first come, first serve basis. Register at the Information Booth.
1:00 — Flower Arranging with Diane Tannehill
See a demonstration of various arranging techniques.

KIDS CAMP
Fun activities for children ages 5-12. Two sessions: 9:00-11:00 and 12:00-2:00. Pre-registration and fee required. Call Lebanon County Extension at 717-270-4391 for more information.

THROUGHOUT THE DAY...
Short Seminars
Check the information booth for times & locations.
Fantastic Vegetables  Tree Fruit Espaliers
Invasive Plants  Weed Identification
Using Roundup Properly  Composting
Beneficial Insects  Container Gardening
Harvesting Herbs  Preserving Herbs
Good Bug Tub  Lawn Care
Green Roof  Bee Habitat Rehab
Backyard Grape Growing

Master Gardener Idea Gardens
Lancaster County Master Gardeners will be on hand to show you their native plant, rain, and pollinator gardens, decorative vegetable and herb garden, and raised beds filled with vegetables, perennials, and annuals.

Information Booth
Get a map, schedule, times and locations for all activities. Sign up for our mailing list.

Master Gardener “Ask the Expert”
Bring your garden questions and samples for diagnosis, identification, and recommendations.

Displays
Learn about rain barrels, food safety, and more.

Native Plant Sale
Purchase great native plants direct from local growers.

Capital Region Shop
Buy gardening books, T-shirts, and soil test kits.
Summer Garden Experience  
Saturday, July 25, 2009  
Penn State Southeast Research Farm  
1446 Auction Road - Manheim PA 17545

Kids Camp

- Listen to a story
- Make your own bee and help it to pollinate
- Learn the Honey Bee Dance
- Make a wearable mini-greenhouse

Morning Session 9 to 11 am  
and/or  
Afternoon Session 12 to 2 pm

Cost: $5.00 per participant/session

Fill out the registration form below and return by July 17 to:

Kids Camp  
Lebanon County Master Gardeners  
2120 Cornwall Road Suite 1  
Lebanon, PA 17042

($10/car parking fee collected day of event)

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, please contact Ginger Pryor at (717) 270-4391 in advance of your participation or visit.

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Parent/Guardian ____________________________

Address ___________________________________

Home Phone ____________________________  Cell ____________________________

Circle the session(s) you will be attending:

Morning ($5)  Afternoon ($5)  Both ($10)

Number attending = _______  Total Registration Cost = $ _________

Check enclosed (payable to “PSCE Program Fund”)

Credit Card payment - Visa MasterCard  Exp. Date

Card Number

Signature ____________________________  Name on Card (Print) ____________________________

College of Agricultural Sciences  Penn State, U.S. Department of Agriculture, and Pennsylvania Counties Cooperating

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