

Cornell University
Cooperative Extension
Eastern New York Commercial Horticulture

Vol. 1, Issue 4
February 2014

ENYCHP Educators:

Fruit

Laura McDermott
Phone: 518-791-5038
Email: lgm4@cornell.edu
Berries

James O'Connell
Phone: 845-691-7117
Email: jmo98@cornell.edu
Berries & Grapes

Vegetables

Chuck Bornt
Phone: 518-859-6213
Email: cdb13@cornell.edu

Amy Ivy
Phone: 518-561-7450
Email: adi2@cornell.edu

Teresa Rusinek
Phone: 845-340-3990 x315
Email: tr28@cornell.edu

Crystal Stewart
Phone: 518-775-0018
Email: cls263@cornell.edu

Maire Ullrich
Phone: 845-344-1234
Email: mru2@cornell.edu

Business and Marketing

Bob Weybright
Phone: 845-797-8878
Email: rw74@cornell.edu

Layout:
Carrie Anne Doyle

Content Editor:
Maire Ullrich

The Produce Pages

**A Newsletter for Vegetable, Small Fruit, Tree Fruit
and Grape Growers in Eastern New York**

Optimizing Space in Tunnels

By Amy Ivy, ENYCHP

Whether your tunnels are low or high, narrow or wide, it will pay off later if you take some time now to carefully plan your spacing. Growers need to make the best use of every bit of room in their tunnels, but this does not mean cramming in as many plants as possible. Anyone who has used a tunnel has had the experience at one time or another of starting out with what looks like a well laid out planting, only to have it turn into an impenetrable jungle by August. And when this happens it's not only extremely difficult to manage and harvest the crop, the overall yield in the tunnel is reduced.

To make the most of the valuable space under a tunnel you need to fit the plants in as closely as possible while leaving enough room for them to thrive and for you to maneuver. Plants thrive in tunnels and tend to grow taller and wider than they do in the field. Trellising tomatoes and cucumbers vertically will help contain their growth and judicious pruning will keep their vigor in balance and focused on producing more fruit. It helps to spend some time with graph paper and a pencil, sketching out different scenarios to see what will fit best in your situation.



Avoid crowding your plants. You'll get greater yield with fewer plants well trained. Disease pressure is reduced, harvesting is efficient, air circulation is increased.

Here are some basic guidelines on optimal spacing for tomatoes in tunnels:

Between row spacing:

For all types of tomatoes, the between row spacing (which is measured from center to center of each row or bed) is a minimum of 4 feet, preferably 5 feet, running lengthwise. Depending on the width of your tunnel you may need to adjust this width to make the rows fit. A 30 foot wide tunnel can take either 5 rows 5 feet apart or 6 rows 4 feet apart.

continued on page 2

Electronic versions of *The Produce Pages* past issues are available at the following:

Dec 2013 Issue http://rvpadmin.cce.cornell.edu/pdf/submission/pdf173_pdf.pdf

Jan 2014 Issue http://rvpadmin.cce.cornell.edu/pdf/submission/pdf206_pdf.pdf

Serving the educational and research needs of the commercial small fruit, vegetable and tree fruit industries in Albany, Clinton, Columbia, Dutchess, Essex, Fulton, Greene, Montgomery, Orange, Rensselaer, Saratoga, Schoharie, Schenectady, Ulster, Warren and Washington Counties

Contents

Crops and IPM

Optimizing Space in Tunnels	1
Luna Tranquility Receives 24C for Apples in NYS	2
The European Pepper Moth	3

General

Value Added Producer Grant Funds Available (NOFA) ..	3
New Water Resources Law May Affect You!	4
New Food Safety Guide -Safeguard Against Listeria	5
U-Pick Berry Guide	5
Watkins Named CCE Director	6
Meet the ENYCHP Educators	11

Upcoming Events

Tree Nursery Annual Tree and Shrub Seedling Sale	6
Writing a Practical Produce Safety Plan	7
Basic Farm Business Management Planning	7
New Core Pesticide Manual Training	7
Pesticide Recertification Day	8
Farm Disaster Preparation Certificate Workshop	8
WIC Vegetables and Fruits Check Program Trainings	8
Advances in Field Strawberry Production Workshop	9
Onion School	10
Camp Mushroom	10
Calendar of Events	12

Optimizing Space in Tunnels, continued from page 1

In-row spacing:

For determinate types:

- Train using the basket weave method
- Set plants 18” apart in a single row
- Set a stake between every 2 plants

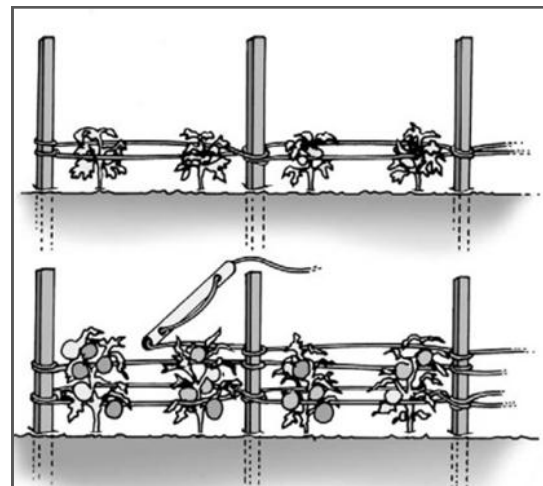
For indeterminate types:

- Train plants to a single leader
- Set plants in a double staggered row
- Set plants 24” apart in the row
- Double leader plants need more room, set them 30” apart in the row

For grafted plants:

- These extra vigorous plants are trained to a double leader, but are set farther apart
- In a double staggered row: Allow 24” between each leader which means 48” between the central root stock.

In a single row: set plants 24” apart.



Luna Tranquility Receives 24C for Apples in NYS

There has been an official announcement of the NY approved 24C label for Luna Tranquility for use in apples. Labels for use are available from your ENYCHT members and your chemical salespersons. Some notes on the chemical:

- Luna Tranquility Fungicide – a premix of Luna (fluopyram, an SDHI fungicide) and Scala (pyrimethanil, an anilino-pyrimidine fungicide).
- There is NO reported apple scab resistance to fluopyram or pyrimethanil and no reported powdery mildew resistance to fluopyram (pyrimethanil does not control PM).
- These 2 fungicides are locally systemic to leaf tissue providing control on the surface of the leaf and in the leaf.
- These 2 modes of action along with a tank mix of a protectant fungicide provide 3 modes of action to control

apple scab, both on the leaf surface and in the leaf.

- Luna Tranquility has a 72 day PHI.
- Luna Tranquility is a “Restricted Use Pesticide” in New York
- Luna Tranquility cannot be used in Nassau or Suffolk counties in NY.
- Luna Tranquility use rate is 11.2 – 16 ozs/acre. A one gallon container can treat 10 acres at the 12.8 oz rate. This is an excellent rate for scab and mildew control.
- Do not apply more than 54.7 fl oz of LUNA TRANQUILITY per acre per season
- Do not apply with aerial application equipment

Source: Dan Digiacomandrea, Sr. Technical Sales Specialist, Bayer Crop Science

The European Pepper Moth

A south Jersey nursery/greenhouse operation has a probable infestation of European pepper moth, *Duponchelia fovealis*, family Crambidae. This group of moths includes European corn borer and garden webworms. Both adults and larvae have been found. Adults match literature descriptions and a larva has been identified to this species. Once fresh adults have been caught, specimens will be sent to the Systematic Entomology Laboratory for positive identification, where it will likely be considered a state record.

The female moth lay eggs singly or in small egg masses similar to European corn borer on the underside of leaves and upon hatching the larvae descend into the soil feeding on roots and stems of both woody and herbaceous host plants. Severe damage including plant death may occur from the larvae girdling the stems. The caterpillars produce webbing especially in the area of its feeding. Caterpillars are usually found in the soil mix, between containers and even under plant trays. The plant host range is extensive with many ornamental plants, potted flowers, and vegetable bedding plants being susceptible. EPM is primarily a greenhouse pest but field infestations may occur as well. The moth cannot overwinter through harsh conditions so it is unlikely that it will be able to overwinter in New Jersey. However, since 2004 EPM has been found in several states and Canada. Dispersal is largely through the transport of infested plant material.



Management of the EPM includes chemical and biological controls and also sanitation. The caterpillars are able to live in plant and soil debris, which hinders chemical control. Although a number of insecticides are available for use against the moth, there may not be a consistent response to the applications and the current infestation has not responded well to the use of insecticides. Several biological control agents are available.



European pepper moth. Courtesy of Univ. of FL

Refer to the following websites for more information on plant hosts, biological control agents and chemical options.

http://entnemdept.ufl.edu/creatures/veg/leps/european_pepper_moth.htm

<https://extension.umd.edu/learn/greenhouse-ipm-pest-alert-european-pepper-moth>

Source: <http://plant-pest-advisory.rutgers.edu/?p=8297>



United States Department of Agriculture

Value Added Producer Grant (VAPG) Notice of Funds Available (NOFA) is now up on the USDA page, which also provides links to forms, toolkits, and templates for your application. Visit http://www.rurdev.usda.gov/bcp_vapg.html Grant makes available \$75,000 for planning grants and \$200,000 for working capital.

New Water Resources Law May Affect You!

By Teresa Rusinek, ENYCHP

Background

In 2011 Governor Cuomo signed legislation to further protect New York's waters, including the Great Lakes, by requiring a DEC permit for water withdrawal systems having the capacity to withdraw 100,000 gallons per day [gpd] or more of surface or groundwater. The law also requires statewide **registration of existing agricultural withdrawals** that are greater than 100,000 gpd (30 day average). The law became effective on February 15, 2012 and final implementing regulations became effective on April 1, 2013.

Depending on several factors, agricultural facilities may be required to register, obtain permits, and/or report water withdrawals annually.

If you have the *capacity* to withdraw 100,000 gallons of water per day, this law affects you.

Water Sources and Multiple Farm Parcels

Regulations cover withdrawals from water sources including wells and surface water sources such as ponds and creeks. Farms with multiple locations withdrawing water are considered a unit, i.e., one agricultural facility, as long as parcels are within 40 miles.

Agricultural Facility

The DEC defines an agricultural facility as "farming for crops, plants, vines and trees, and the keeping, grazing, or feeding of livestock for sale of livestock or livestock products, and the on-farm processing of crops, livestock and livestock products."

Annual Reporting

All agricultural facilities with the **capacity** to withdraw water equal to or in excess of an average of 100,000 gallons per day in any thirty day consecutive period (3 million gallons during a 30 day period) must file an annual report with the New York State Department of Environmental Conservation on an annual basis.

Annual reports are due by March 31st of each year.

Registration

Registration is required if water use in any 30-day period exceeds 3 million gallons. This is equal to 110.5 acre-inches per 30 days or a daily average water use of 100,000 gallons (3.7 acre-inches). A 30-day running total record of the days that irrigation took place and the amount of water applied per acre will help determine the need for registration.

Permits

Any agricultural facility with a water source over the threshold volume but did not register or report usage to NYSDEC prior to February 15, 2012 must file for a water withdrawal permit.



How to estimate water withdrawals

- One 70 gpm pump operating for a 24 hour period will withdraw 100,800 gpd.
- Irrigating at a rate of 3.7 inches water per acre per day equals 100,000 gpd.

The DEC website <http://www.dec.ny.gov/lands/25677.html> gives more detail on estimating withdrawals for reporting as well as a worksheet and other handy resources.

More about Registering, Reporting, & Permitting

Interpreting the new regulations can be a little tricky, so I called up to NYSDEC Division of Water in Albany to get clarification. The key points are these:

Registration is basically filling in your name and location on the Ag Withdrawal Reporting Form, but not necessarily filling in the numbers on how much water you estimate you used. Why would you do this? Some farm operators may have no idea how much water they use. Sending in a registration with or without the water use report, will let the DEC know you are out there. They will work with you to determine if you need to report water withdrawals and or obtain a permit in the future.

If you registered/reported by Feb. 15 in 2012, you are now exempt from having to get a permit if you withdraw at or over threshold. Whether or not you reach threshold, you have to report annually by March 31, if you have the capacity to withdraw 100,000 gpd.

At this time the DEC is encouraging farm operations to use this reporting system as a tool to learn about their water usage. If you are over the pumping threshold and have not registered or reported, the DEC suggests that you do as soon as possible so they can evaluate your situation and help you comply without taking regulatory actions.

If you have questions, I encourage you to contact Richard Kruzansky, NYSDEC Div. of Water, 518-402-8182. He is very helpful and welcomes questions from farm operators. Also, for more information and reporting forms, visit the NYS DEC website [Water Withdrawals for Agricultural Facilities](http://www.dec.ny.gov/lands/86747.html) found at <http://www.dec.ny.gov/lands/86747.html>

New Food Safety Guide To Help Safeguard Against Listeria

Press Release 1/6/14 United Fresh Produce Association

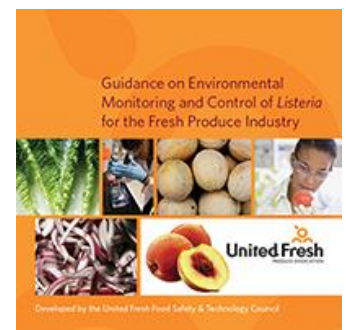
WASHINGTON, D.C. - The United Fresh Food Safety & Technology Council has developed a document, "Guidance on Environmental Monitoring and Control of Listeria for the Fresh Produce Industry," that is designed to help guide the fresh produce industry in developing practical and scientifically sound "search and destroy" programs for Listeria. The guide is free and available online.

Two recent outbreaks have demonstrated the vulnerability of some fresh and fresh-cut operations to Listeria harborage leading to product contamination. Some customers and supplier operations have implemented Listeria testing programs without a good understanding of their scientific validity. While the processed foods industry and FDA have long had guidance for Listeria monitoring and control, guidance applicable to the unique conditions of fresh produce handling operations has been lacking. This guide describes in-depth handling techniques for fresh and

fresh-cut produce, which offers some unique opportunities and challenges.

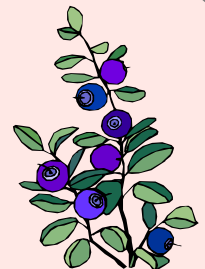
The guide is applicable to all fresh and fresh-cut produce operations, including field and field packing, packinghouse, and other produce handling operations such as re-pack, value-added and transport/distribution to retail/foodservice. All produce handling operations are encouraged to use this guide to 1) determine their level of vulnerability to Listeria harborage that may lead to produce contamination, and 2) if vulnerable, to develop and implement an effective Listeria monitoring and control program.

To download a free copy of "Guidance on Environmental Monitoring and Control of Listeria for the Fresh Produce Industry", visit www.unitedfresh.org/listeria_guide.



U-Pick Berry Guide

Be in it! The Eastern New York Horticulture Team is coordinating a U-Pick Berry Guide for the region.



Cost to participate will be:

- \$30 for web listing only
- \$40 for web listing AND in printed brochure to be distributed through various tourism outlets.

Please fill in your farm info. at this link: <https://www.surveymonkey.com/s/QG53GNV>

We will bill you for your listing. If you have any questions please feel free to contact Maire Ullrich at 845-344-1234 or email mru2@cornell.edu. Thank you for your continued interest in our programs.

Also see the **U-Pick pumpkin brochure** from this past fall:

Online version: <http://blogs.cornell.edu/cceorange/agriculture/u-pick-pumpkins-in-the-hudson-valley/>

Printable brochure: http://blogs.cornell.edu/cceorange/files/2013/08/U-Pick_Pumpkins_13_web_version-z1ps9p.pdf



Watkins Named Cornell Cooperative Extension Director

By Amanda Garris, Cornell University College of Agriculture and Life Sciences

Horticulture professor Christopher Watkins has been named director of Cornell Cooperative Extension (CCE).

Formerly associate director of CCE, Watkins is appointed through Oct. 1, 2017, completing the term of former director Helene Dillard, who recently stepped down to become dean of the College of Agricultural and Environmental Sciences at the University of California, Davis.

"We are very fortunate to have someone of Chris' caliber to seamlessly step into the directorship of CCE," said Kathryn J. Boor, the Ronald P. Lynch Dean of the College of Agriculture and Life Sciences (CALS). "I am confident that Chris will position CCE for the future by integrating communication and education technologies with the traditional boots-on-the-ground approach that has characterized the legacy of CCE to date."

"I am thrilled that Chris has accepted this position. The broad extension mission at Cornell will benefit from his strong leadership," said Alan Mathios, the Rebecca Q. and James C. Morgan Dean of the College of Human Ecology. "With him as a partner, I look forward to furthering strong evidence-based extension efforts here on campus, sustaining our statewide nutrition education programs, and creating opportunities for students to engage with the extension mission. Together we can ensure that CCE continues its long history of supporting families and communities in New York state."

As director, Watkins will run the diverse portfolio of programs of CCE, which maintains a presence in every county in New York as well as in New York City. It reaches citizens through outreach in food systems, natural resources, sustainable energy, 4-H youth development, nutrition, economic development and related subjects.

"As the primary provider of outreach for the Colleges of Agriculture and Life Sciences and Human Ecology to the citizens of New York, Cornell Cooperative Extension is a

major component of realizing Cornell's land-grant mission," said Watkins. "As we confront familiar and new challenges to human health, agricultural production, youth development, community sustainability and economic growth, I look forward to working with the local and regional programs throughout the state, and my colleagues in CALS and Human Ecology, on the front lines of helping CCE associations to meet these needs."

Watkins joined the Cornell faculty in 1994 as an associate professor of horticulture after more than a decade as a scientist in the Postharvest Science Group of the Horticulture and Food Research Institute in his native New Zealand. He was promoted to full professor in 2004, was named the Herman M. Cohn Professor of Postharvest Science in 2013 and has served as associate director of CCE since 2006.

Watkins has maintained an active research program on techniques that retain the flavor, texture and health-related compounds of fruits and vegetables after harvest. Throughout his career, Watkins has written more than 200 peer-reviewed research articles and extension publications. He serves as a resource to growers statewide through his extensive outreach activities. An internationally sought expert on fruit ripening and storage, he and a colleague wrote a Production Guide for Storage of Organic Fruits and Vegetables in 2012. Watkins has mentored 18 past and current graduate students, and he regularly hosts visiting scholars to collaborate and engage in postharvest research.

He has received numerous honors, including the Crystal Apple Award from the director of the Szczepan Pieniazek Research Institute of Pomology and Floriculture in Skierniewice, Poland, and the American Society for Horticultural Science Outstanding Extension Educator Award. He delivered the George Goodling Memorial Lecture to the State Horticultural Society of Pennsylvania in 2010.



DEC'S Saratoga Tree Nursery Annual Tree and Shrub Seedling Sale

Landowners can take advantage of low-cost native plants as more than 40 species of trees and shrubs are now available at the NYS DEC Saratoga Tree Nursery.

Details and order form can be found at <http://www.dec.ny.gov/animals/9395.html> or by calling the Saratoga Tree Nursery at (518) 581-1439. To order seedlings by phone, contact the nursery on weekdays between 8 a.m. and 4:30 p.m. at (518) 587-1120. Orders may be placed through mid-May. Seedlings are shipped from mid-April to mid-May.



Red oak seedlings Courtesy DEC

Writing a Practical Produce Safety Plan A Workshop for Small and Diversified Produce Growers

March 11 and 12, 2014 - FREE full day workshops - Rutland and Bennington, VT

Are you thinking it is time to write a harvest guide or an employee training manual? How about getting more disciplined about managing what you have in storage? Good food safety practices are grounded in good organization and hygiene and sanitation practices, so when you develop a produce safety plan, you can reap benefits in operational efficiency and produce quality. Participants will receive morning coffee, a light lunch, a template for a farm produce safety plan and a binder of reference material.

TIMES AND LOCATIONS

Rutland, VT (Co-Sponsored by RAFFL): Tuesday, March 11: 9:00 am - 3:00 pm at the Rutland Opera House. *Farmer presenter: Carol Tashie, Radical Roots Farm*

Bennington, VT (Co-sponsored by Bennington College): Wednesday, March 12: 9:00 am – 3:00 pm at Bennington College's CAPA Center. *Farmer presenter: Karen Trubitt, True Love Farm*

For more details and to register go to <http://www.eventbrite.com/o/uvm-center-for-sustainable-agriculture-1519520706> or call Cheryl at 802-656-5459.

Basic Farm Business Management Planning A Quick Overview for Success

April 8, 2014 from 6-8:30 pm

CCE Albany, 24 Martin Road, Voorheesville, NY

This class includes business planning and farm business management designed to help your agricultural business achieve success. We will teach you how to avoid some of the pitfalls that strike many small businesses and connect you with helpful resources, help you find out about regulations and build a business plan to attract financing.

Instructor will be Sandy Buxton, from the Capital Area Agriculture & Horticulture Program, with 18 years of answering business, tax and planning questions. This class is approved for FSA Borrower Training Financial Credits. Please contact your FSA Credit representative for more info.

Registration: \$25 for the first person from business, \$10 for additional.

Class will provide numerous resources to provide participants with valuable material to assist the process.

Pre-registration is required as class size is limited though a minimum number of participants are needed.

For more information, please contact Sandy Buxton at 518-380-1498 or sab22@cornell.edu.

2014 New Core Pesticide Manual Training

March 4 1:00pm-4:00pm

Cornell Cooperative Extension Columbia County, 479 Route 66, Hudson, NY 12534

Basic overview of the new (2012) Core Pesticide Training Manual. As of January 2000, the eligibility requirements for taking the Pesticide Applicator exams have changed. To find out if you are eligible to take the exam, call the NYS DEC at 518-357-2234 OR visit the Cornell Pesticide Management Education Program website at <http://pmep.cce.cornell.edu> and go to the section called "Pesticide Applicator Certification". Course fee is \$25. For those already licensed, NYSDEC Core credits available pending approval. **Registration required.** For more info: Chuck Schmitt cds34@cornell.edu or 518-765-3513.

Pesticide Recertification Day

March 18, 8:30 am - 4 pm

The Century House, 997 New Loudon Road (Route 9), Latham, NY 12110

Learn the latest on pesticide use, safety, and pest management for the upcoming season. This program features up to 6 DEC recertification credits pending approval. The morning session will offer core credits and afternoon sessions offer category specific credits for 3a, 1a, 7a and private categories as well. See flier for details at http://www.ccealbany.com/PDF/2014_Pesticide_Recert.pdf. Course fee: \$75 for half day / \$95 for all day (both include lunch). Registration required. For more information contact Chuck Schmitt at [cgs34@cornell.edu](mailto:cds34@cornell.edu) or 518-765-3513.

Farm Disaster Preparation Certificate Workshop

Friday, March 21 from 9:30 am to 3:30 pm

Farm Family Insurance, 344 Rte. 9W, Glenmont, NY 12077

This 6-hour training program focuses on pre-disaster education and preparedness including:

- Farm equipment safety on the road
- Barn fire and structure collapse prevention
- Minimizing storm damage, coping with power outages, and maintaining continuity
- Reducing criminal activity and stored chemical risks
- Enhancing livestock handling and biosecurity

Farms that complete the Farm Disaster Preparation Certificate training will receive a dated certificate to provide to their insurer. The certificate may be a condition of eligibility for receiving a more favorable farm insurance policy review or a discount on the farm's annual insurance premium. The economic value of the recognition or discount will vary according to individual policies and policyholder circumstances.

\$35 per person. Pre-register by contacting Gale Kohler, CCE Albany County at 518-765-3579 or gek4@cornell.edu or register online at https://reg.cce.cornell.edu/DisasterPrepMarch14_201.

Sponsored by CCE Capital Area Agricultural and Horticultural Program and Farm Family Insurance.

2014 WIC Vegetables and Fruits Check Program (WIC-VF)

Farmer Training Webinar Dates - All start at 7pm

To register click on link following each date.

• Mon. April 7 - to register [click here](#) • Wed. May 14 - to register [click here](#) • Thurs. June 12 - to register [click here](#)

Farmers' Market Information Days - 9am-1pm all days

- Tuesday, March 4 CCE Cayuga County, 248 Grant Ave, Suite I, Auburn, NY 13021
- Wednesday, March 5 CCE Jefferson County, 203 N. Hamilton St, Watertown, NY 13601
- Thursday, March 6 CCE Oneida County, 121 Second St, Oriskany, NY 13424
- Thursday, March 13 CCE Albany Co., 24 Martin Rd, PO Box 497, Voorheesville, NY 12186
- Friday, March 14 CCE Dutchess County, 2715 Route 44, Millbrook, NY 12545
- Monday, March 17 CCE Broome Co., 840 Upper Front Street, Binghamton, NY 13905-1500
- Thurs., March 20 Silberman School of Social Work, 2nd fl. Audit. and Lobby, 3rd Ave at 119th St., NY, NY 10035

For registration information, email NYS Farmers' Market Federation at deggert@nyfarmersmarket.com or call 315-637-4690.

Advances in Field Strawberry Production Workshop

Tuesday, March 4th at the Visitor's Interpretive Center, 8023 State Route 30, Paul Smiths, NY 12970 *(Snow date: Thurs March 20)*

OR

**Wednesday, March 5th at Cambry Court Activity Center,
68 West Main St. #2, Gouverneur, NY 13642** *(Snow date: Fri March 21)*

This workshop will focus on new ways of growing strawberries in field soil including annual production systems, detecting and mitigating soil-borne pests and utilizing biological control of root weevil complex.

Cost is \$5/person. To register, contact Amy Ivy at adi2@cornell.edu or call 518- 561-7450 or 518-570-5991.

AGENDA

- | | |
|----------------------|--|
| 9:30 - 10:00 | Registration |
| 10:00 - 10:05 | Welcome, announcements
Amy Ivy, CCE ENYCHP (Eastern NY Commercial Horticulture Program) |
| 10:05 - 11:15 | Growing June Bearing and Day Neutral strawberries - getting the most out of both systems
Laura McDermott, CCE ENYCHP |
| 11:15 - 11:45 | Strawberry Root Problems - a significant limitation to long term success
Laura McDermott, CCE ENYCHP |
| 11:45 - 12:00 | How to identify if you have root weevils in your planting
Amy Ivy, CCE ENYCHP |
| 12:00 - 12:30 | Lunch |
| 12:30 - 1:30 | Using native nematodes as biocontrol of root weevils in strawberries
Dr. Elson Shields, Professor, and Tony Testa, Research Support Specialist, Cornell University |
| 1:30 - 2 pm | SWD Update (Spotted Wing Drosophila) - what to know for 2014
Laura McDermott, CCE ENYCHP |
| 2:00 pm | Adjourn |

Sponsored by Cornell Cooperative Extension with funding from the Northern New York Agricultural Development Program.



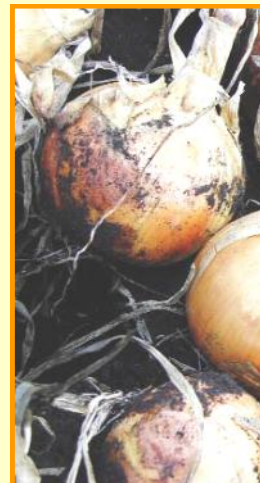
Onion School

Friday, March 7, 2014 from 8:00 am - 12:30 pm

Cornell Cooperative Extension Orange County, Middletown, NY 10940

Schedule:

- 8:00 am Registration, DEC credit sign-in begins
- 8:45 am Welcome & Announcements
- 9:00 am Optimizing Control and Mitigating Insecticide Resistance in Onion Insect Pests. *Brian Nault, Cornell University*
- 9:40 am Onion Bulb Mite in the Hudson Valley & Brown Marmorated Stink Bug in Hudson Valley Vegetable Crops. *Peter Jentsch, H.V. Lab*
- 10:20 am The Cornell Onion Breeding Program: Achievements/On-going Efforts. *Dr. Martha Mutschler-Chu, Cornell University*
- 11:00 am Bacterial Rot Problems-What Can We Do About Them?
Dr. Steven Beer, Cornell Univ.
- 11:40 am New Developments in Onion Weed Management Featuring Chateau & Problem Perennial Weeds. *Christy Hoepting, Cornell Vegetable Program*
- 12:20 pm Additional questions for speakers and organizers
- 12:30 pm Adjourn



Pesticide Recertification Credits have been applied for.

\$30 per person, pre-registered, enrollees of ENYCHP. \$75 walk-in and/or non-enrollees.

Registration form and directions available at http://counties.cce.cornell.edu/orange/onion_school_2014.pdf. For more information contact Cathy or Maire at 845-344-1234.

Camp Mushroom

April 25 and 26

Cornell University's Arnot Teaching and Research Forest
611 County Route 13, Van Etten, NY



The workshop is a beginner/intermediate level for those interested in small-scale forest mushroom cultivation. Participants will be trained in three methods of mushroom cultivation; shiitake on bolts, lions mane/oyster on totems, and stropharia in woodchip beds. In addition laying yard and management considerations will be covered. Each participant will also inoculate two shiitake blots to take home. Anyone who wants to get into mushroom growing as a serious pursuit should not miss out on this opportunity to learn from experienced growers and researchers who will present for this event.

Cost: \$100 for overnight guests (primitive cabin with heat), \$70 for commuters. Includes Friday dinner and breakfast and lunch on Saturday, featuring mushrooms and local, organic foods. For a complete schedule and to register, go to <http://blogs.cornell.edu/mushrooms/events/>. For more information contact Steve Gabriel at sfg53@cornell.edu or 607-342-2825.

Meet the Eastern New York Commercial Horticulture Program Staff

Vegetable Educators:



Chuck Bornt

Phone: 518-859-6213
Email: cdb13@cornell.edu
Weed & pest ID/monitoring, reduced tillage, tomatoes, peppers, eggplant, potatoes, sweet corn, GAPs

Cornell Cooperative Extension offers support to fruit and vegetable growers throughout Eastern New York. We have assembled a team with industry specific expertise in business practices for efficient production and sustainable growth.



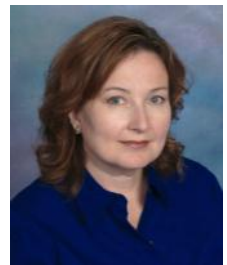
Crystal Stewart

Phone: 518-775-0018
Email: cls263@cornell.edu
Organic production, small farm production, beginning farmers, garlic and other alliums, cooperative marketing



Amy Ivy

Phone: 518-570-5991
Email: adi2@cornell.edu
High tunnel production, insect pests, winter greens, biocontrols



Teresa Rusinek

Phone: 845-691-7117
Email: tr28@cornell.edu
Pest ID/monitoring, cultural and chemical recommendations, biocontrols, greenhouse vegetables



Maire Ullrich

Phone: 845-344-1234
Email: mru2@cornell.edu
Muck soils, onions and other alliums, ethnic vegetables, marketing

Fruit Educators:



Laura McDermott

Phone: 518-791-5038
Email: lgm4@cornell.edu
Small fruit, pest management, nutrition, GAPs, high tunnel production



Jim O'Connell

Phone: 845-943-9814
Email: jmo98@cornell.edu
Small fruit, pest management, grapes, IPM, weed management

Business and Marketing Educator:



Bob Weybright

Phone: 845-797-8878
Email: rw74@cornell.edu
Business management, marketing, new product and processing guidance, business and organizational development

The Cooperative Extension Association
of Rensselaer County
Agriculture and Life Sciences Building
61 State Street, Troy, NY 12180

Non-Profit
U.S. Postage Paid
Albany, NY
Permit #937

UPCOMING EVENTS

Feb. 27–March 1 Navigating the Local Food Scene: NYS Farmers Market Manager Training Conference Double Tree by Hilton Hotel in Binghamton, NY. Plan now to attend this conference to help you grow your market, build profits for your farmers and renew your enthusiasm for another season. Full agenda and registration information at <http://nyfarmersmarket.com/work-shop-programs/annual-conference-ditto-with-the-annual-conference/program.html>. For more information contact Diane Eggert at 315-637-4690 or email deggert@nyfarmersmarket.com

March-April 2014 WIC Vegetables and Fruits Check Program (WIC-VF) Farmer Training: Webinars and Marker's Market Information Days (face-to-face trainings) Various dates and locations. *See page 8 for details.*

March-May DEC'S Saratoga Tree Nursery Annual Tree and Shrub Seedling Sale *See page 6 for details.*

March 4 2014 New Core Pesticide Manual Training CCE Columbia County, Hudson, NY *See page 7 for details*

March 4-5 Advances in Field Strawberry Production Paul Smith's, NY and Gouverneur, NY *See p. 9 for details.*

March 7 Onion School CCE Orange County, Middletown, NY. *See page 10 for details.*

March 10-11, 12-13, and 25-26 Organic Pesticide Applicator Trainings for Fruit and Vegetable Growers Three training sites, 2-day trainings 9am-4:30pm combining classroom education on pesticide use and the rules and regulations of pesticides as they apply to organic growers with hands-on sprayer workshops, application efficacy, calculations, mixing pesticides and much more! March 10-11 in Riverhead; March 12-13 in Highland; and March 25-26 in Geneva. See flier with details and registration form at <http://www.cceulster.org/2014%20Organic%20Pesticide%20Applicator%20Trainings.pdf>. Pesticide Recertification Credits applied for. For more information contact Emily Cook, CCE Ulster County at 845-943-9810 or email ekc68@cornell.edu.

March 11-12 Writing a Practical Produce Safety Plan: A Workshop for Small and Diversified Produce Growers. Free full day workshops - Rutland and Bennington, VT. *See page 7 for details.*

March 18 Pesticide Recertification Day The Century House, Latham, NY *See page 8 for details.*

March 21 Farm Disaster Preparation Certificate Workshop Farm Family Insurance, Glenmont, NY *See p. 8 for details.*

March 25 Using the Berry Farm Business Summary to Improve Your Bottom Line Hudson Valley Laboratory, 3357 Rt. 9W, Highland, NY 12528. 10am – 1:30pm Lunch will be provided for those that pre-register. There is no charge for the program, but pre-registration is strongly encouraged. Call Marcie at 518-272-4210 or email mmp74@cornell.edu. Registration will be online soon at <http://cdvsfp.cce.cornell.edu/>.

April 9 Garlic School CCE Albany Co., 24 Martin Rd, Voorheesville, 10am -2:30pm Join us for a thorough discussion of maintaining garlic quality from harvest through drying. Speakers will include Crystal Stewart, David Stern, George Abawi, and a grower panel sharing what works and what doesn't when drying. \$20 for ENYCHP enrolled growers, \$25 for non-enrolled. For more info. call Marcie at 518-272-4210 or email mmp74@cornell.edu. Registration will be online soon at <http://cdvsfp.cce.cornell.edu/>.

April 8 Basic Farm Business Management Planning: A Quick Overview for Success CCE Albany, Voorheesville, NY. *See page 7 for details.*

April 25 and 26 Camp Mushroom Arnot Teaching and Research Forest, Van Etten, NY. *See page 10 for details.*

Cornell Cooperative Extension and the staff assume no liability for the effectiveness of results of any chemicals for pesticide use. No endorsement of any product is made or implied. Every effort has been made to provide correct, complete, and current pesticide recommendations. Nevertheless, changes in pesticide regulations occur constantly and human errors are still possible. These recommendations are not substitutes for pesticide labeling. Please read the label before applying any pesticide. Where trade names are used, no discrimination is intended and no endorsement is implied by Cornell Cooperative Extension. *CCE provides equal program and employment opportunities.*