



Cornell University Cooperative Extension

Hudson Valley Horticulture Cornell University Cooperative Extension of the Hudson Valley ~~~Commercial Horticulture Electronic Newsletter~~~

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Participating Counties: Orange * Dutchess * Putnam * Rockland * Ulster * Westchester *

Editors: Jennifer Stengle & Rosemarie S. Baglia

www.cce.cornell.edu

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*Cornell University Cooperative Extension provides equal program and employment opportunities.
Please notify us if you have special needs.*

December/January Programs

New York State Turf and Landscape Association Conference and Trade Show

When: January 14th, 2015

Where: Empire City Casino, 810 Yonkers Avenue, Yonkers, NY

Program & Registration: The 2015 New York State Turf and Landscape Association Conference and Trade Show will be held at 10704. 5 NYS DEC (CT) recertification credits are available! 5 ISA CEUs are approved! NJ DEP Units are approved! 4 L/A credits are available! For details, visit www.nystla.com and click on "Conference" on the bar at the top of the page.

2015 Hudson Valley Nursery Greenhouse School,

When: Tuesday, January 27, 2015, 8:30 am to 3:45 pm.

Where: Cornell Cooperative Extension Orange County, Middletown, NY

Registration: Cost is \$70 per person if registered by January 19, 2015: \$80 per person after deadline. No refunds; Substitutions are allowed. NYS DEC Pesticide Recertification Credits have been approved for Categories 1a, 3a, 3c, 10, 23, 24 and 25.

Contact: Call 845-344-1234 or email cah94@cornell.edu

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Commercial Horticulture Webinar Series: Mark your calendars

The Cornell Cooperative Extension Sustainable Horticulture program work team announces its fall webinar lineup. Once again, these classes will cover two topics and offer recertification and continuing education credits. . (While webinars will be recorded for later viewing, you must attend the live webinar session to be eligible for credits)

- **January 29th: "Greening" our Landscapes and Playing Fields**

When: Thursday January 29th, 4:45pm to 7:15pm

Where: Check with your Cornell Cooperative Extension county office to see if they are offering this webinar. **Programs:** *YardWorks*, a **Landscape Design Opportunity**, developing a greener landscape design with urban ecology solutions with Josh Cerra, Assistant Professor Cornell University Landscape Architecture. And **Be Green Organic Yards** New York with Mike Nierenberg and **Child Safe Playing Field Act** with Walt Nelson, Horticulture Program Leader Cornell Cooperative Extension, Monroe County

- **March 12th: Beneficial Soil Microorganism research update and Invasive Species Labeling Requirements and Enforcement**

When: Thursday March 12th, 4:45pm to 7:15pm

Where: Check with your Cornell Cooperative Extension county office to see if they are offering this webinar.

Programs: Dr Kyle Wicking of Cornell University will discuss current research on **Beneficial Microorganisms**, what's in the trade and how they work. Christopher Logue of NYS Ag and Markets will discuss the labeling requirements and enforcement for plants in **NYSRR part 575 Prohibited and Regulated Invasive Species Express Terms**.

See previous webinars here: – Bill Miller talking about his research on using **Bareroot liners of perennials** for landscape installations. <http://vimeo.com/113953594> And Margery Daughtrey with her **2014 disease wrap up** <http://vimeo.com/113725179>

2015 Insect and Disease Update for Turfgrass and Landscapes

When: Friday, January 30, 2015

Where: Cornell Cooperative Extension of Columbia County, 479 Route 66, Hudson, NY

Program This course will provide an update on the basics of the insects and diseases of turfgrass, landscapes and greenhouses found in the Capital District. Identification and management options for these pests will be discussed. The knowledge shared will help landscape, nursery, greenhouse, turfgrass, and grounds managers keep ahead of pest problems in the coming growing season. Attend this low-cost program to get the best of the bugs in 2015!

Registration: Cost: \$40.00 Contact Chuck Schmitt [cgs34@cornell.edu](mailto:cds34@cornell.edu)

Stormwater Management Training Series Hydrology, Hydraulics and Wet Pond Design

When: February 4, 2015; 8:30 AM to 4:30 PM

Where: Cornell Cooperative Extension Orange County,
18 Seward Ave, Third Floor, Middletown, NY 10940.

Registration: Pre-Registration is required. View this web page for more information and a downloadable registration form:

http://counties.cce.cornell.edu/orange/Stormwater_Mgt_Training_2014.pdf

Stormwater Ponds have proven to be one of the most popular stormwater management practices employed by designers, and with good reason. Ponds are one of the few practices that provide both water quality and quantity treatment. This class will examine the various components of a wet pond system, and review the numerous design elements needed for proper operation of ponds. Working with a specific pond site, we will begin by establishing the tributary drainage areas and its associated hydrology. We will then determine the various pond storage volumes and finally complete the design of an outlet structure to manage the flows. The pond design will follow the uniform sizing criteria in the NYS Stormwater Design Manual. Hydrology will be computed using TR-55 methods.

Registration is required. Registration deadline is January 29, 2014. Cost is \$250 per person if registered by the deadline, \$300 thereafter. No refunds, but substitutions are allowed. For more information, contact Rose Baglia at rsb22@cornell.edu or 845-344-1234. To register, contact Cathy Hughes at cah94@cornell.edu or 845-344-1234.

NYSTA Southeast Regional Turf Conference

When: February 10 & 11, 2015

Where: Ramada Conference Center, Fishkill, NY

Contact: NYSTA at 800-873-8873 visit www.nysta.org, or email jill@nysta.org

Sponsored by the New York State Turfgrass Association. There will be a trade show and a number of program tracks running concurrently, including Sports Turf, Golf Turf, and Lawn/Landscape. NYS DEC Credits, NJDEP Credits, STMA CEUs and ISA CEUs are available. See the flyer for more information.

Program Flier: http://www.nysta.org/events/southeast2015/2015_se.pdf

Registration: <http://www.nysta.org/events/southeast2015/se2015.html>

Articles

Change in Safari Registration for Greenhouse use.

Safari Classified as a Restricted Use Pesticide Starting January 1, 2015:

Safari is registered in NYS under a Special Local Needs (SLN) registration for greenhouse use only. Safari is also registered under two other Special Local Needs (SLN) labels for trunk sprays for

emerald ash borer on ash trees and for hemlock wooly adelgid and elongate hemlock scale on hemlocks.

Since its registration, Safari has been a general use pesticide in greenhouses. Or so we thought. There was recently some confusion on this product, and whether it is a general use or a restricted use product.

In PIMS (Pesticide Product, Ingredient, and Manufacturer System; <http://pims.psur.cornell.edu/>), the summary table and the original registration letter for the greenhouse SLN label do not indicate that the product has any restrictions. However, the NYS label dated March 2012 includes a stamp indicating that the product is restricted use. (Both SLN trunk spray labels mentioned above are clearly restricted use.) You can find Safari in PIMS by selecting '[Special Registrations](#)', the 'Special Local Needs' (select current, then hit submit), then scrolling down until you find Safari.

The label is law, right? Right. So this means that Safari IS a restricted use product for greenhouse use. (Safari was already a restricted product for trunk sprays mentioned above, and will remain so.) However, due to the conflict of its status in PIMS, the NYSDEC has agreed that the designation of Safari as restricted use for the greenhouse use label will begin January 1, 2015. A statement to that effect will be added to PIMS so it can be clear to both growers and to DEC Inspectors. Growers not holding a pesticide applicator license who have used Safari in the past year will not be held in violation.

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Many thanks to Dan Gilrein of Cornell Cooperative Extension of Suffolk County for getting to the bottom of this!

The bottom line is that starting this January, Safari will be a restricted use product in greenhouses. Only certified pesticide applicators will be able to purchase and apply this pesticide.

Adapted from Nora Catlin, Northeast Greenhouse Notes, [Cornell Cooperative Extension Suffolk County](#)

USDA Provides Greater Protection for Fruit, Vegetable and Other Specialty Crop Growers

Agriculture Secretary Tom Vilsack today announced that greater protection is now available from the Noninsured Crop Disaster Assistance Program for crops that traditionally have been ineligible for federal crop insurance. The new options, created by the 2014 Farm Bill, provide greater coverage for losses when natural disasters affect specialty crops such as vegetables, fruits, mushrooms, floriculture, ornamental nursery, aquaculture, turf grass, ginseng, honey, syrup, and energy crops.

"These new protections will help ensure that farm families growing crops for food, fiber or livestock consumption will be better able to withstand losses due to natural disasters," said Vilsack. "For years, commodity crop farmers have had the ability to purchase insurance to keep their crops protected, and it only makes sense that fruit and vegetable, and other specialty crop growers, should be able to purchase similar levels of protection. Ensuring these farmers can adequately protect themselves from factors beyond their control is also critical for consumers who enjoy these products and for communities whose economies depend on them."

Previously, the program offered coverage at 55 percent of the average market price for crop losses that exceed 50 percent of expected production. Producers can now choose higher levels of coverage, up to 65 percent of their expected production at 100 percent of the average market price.

To help producers learn more about the Noninsured Crop Disaster Assistance Program and how it can help them, USDA, in partnership with Michigan State University and the University of Illinois, created an online resource. The Web tool, available at www.fsa.usda.gov/nap, allows producers to determine whether their crops are eligible for coverage. It also gives them an opportunity to explore a variety of options and levels to determine the best protection level for their operation.

These new provisions under the Noninsured Crop Disaster Assistance Program were made possible through the 2014 Farm Bill, visit www.usda.gov/farmbill

Submitted by Rose Baglia, Community Educator, [Cornell Cooperative Extension Orange County](#)
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USDA Research on Climate Change, Effects of Warmer Winters

In the study published in PLOS ONE, researchers observed one of the effects that agricultural producers may see as air temperatures increase is a corresponding increase of insects, weeds and fungal pests because of milder winter temperatures. One possible result is growers may need to increase their pesticide use to respond to these pests and maintain soybean production levels.

"One of our most crucial challenges is finding ways to maintain and increase crop production levels in the face of climate change," said ARS Administrator [Chavonda Jacobs-Young](#). "These studies underscore the importance of conducting research that helps us confront these challenges and facilitates the development of cost-effective options for the environmentally sustainable production of food, feed, and fiber."

In temperate regions, the distribution and survival of agricultural pests is often kept in check by low winter temperatures. Ziska, who works at the ARS [Crop Systems and Global Change Laboratory](#) in Beltsville, Maryland, examined average pesticide applications since 1999 for commercial soybean grown over a 1,300-mile longitudinal transect from Minnesota to Louisiana. Minimum daily temperatures in this study area ranged from -20 degrees Fahrenheit to 23 degrees Fahrenheit.

Read complete article here: <http://www.ars.usda.gov/is/pr/2014/140611.htm>

Submitted by Gerald G. Giordano, Senior Horticulture Consultant/Extension Community Educator, [Cornell Cooperative Extension of Westchester County](#)

Penn State and Cornell help Northeast agriculture adapt to climate change

Under a \$50,000 agreement with the USDA Agricultural Research Service (ARS), Penn State's College of Agricultural Sciences will partner with Cornell University to assess research and educational needs and to create a network for information sharing and exchange. The funding comes from the USDA-ARS Pasture Systems and Watershed Management Research Unit, which is based at Penn State's University Park campus.

"The Northeast Climate Hub is looking forward to working with Penn State and Cornell to help support our farmers and foresters as they tackle climate-related challenges," said Climate Hub Co-Director Howard Skinner, physiological plant ecologist with the Pasture Systems and Watershed Management Research Unit. "This agreement reinforces our vision of maintaining and strengthening agricultural production and natural resources under increasing climate variability and environmental change."

Read more here: <http://news.psu.edu/story/335443/2014/11/19/research/penn-state-help-northeast-agriculture-adapt-potential-climate>

Cornell's climate change resources for agriculture and communities:

<http://climatechange.cornell.edu/tools-resources/>

Submitted by Gerald G. Giordano, Senior Horticulture Consultant/Extension Community Educator,
[Cornell Cooperative Extension of Westchester County](#)

Christmas tree IPM: Pest Scouting & Management through the Growing Season

Is your New Year's resolution to do more scouting in the coming year? Here are three helpful power points on scouting and pest management throughout the growing season. Lots of good pictures and descriptions of lifecycles. (You will need Microsoft Power Point to view)

<http://extension.psu.edu/pests/ipm/agriculture/christmas-tree/scouting-report/pest-scouting-management-through-the-growing-season>

Adapted from Dr. Elizabeth Lamb, [NYS Integrated Pest Management Program](#)
Greenhouse & Christmas tree IPM Update

Regional Updates: Happy Holidays, and good wishes for the New Year, May all your Christmas trees sell, your plow hydraulics behave, your greenhouses stand up under the weight of snow, and the voles stay away from your young trees!

Other Professional Horticulture Programs of Interest:

The 2015 NOFA Winter Conference. Mass.:

When: January 10, 2015 (All day)

Where: Worcester State University, Worcester, MA

Cost: Varies - See registration page. \$65 NOFA Members \$81 Non-members

Program: Join us for over 60 workshops, exhibits, an [all-day seminar](#) and keynote by Greg Judy, rotational grazer and carbon sequestration advocate. It's fun for the whole family! The [children's conference](#) (ages 3-12) provides a lively, interactive way for kids to get educated. Lots of do-it-yourself workshops keep teens active and engaged.

New York State Agricultural Society 183rd Annual Meeting & Forum

When: January 8th, 2015

Where: Syracuse/Liverpool, NY

Program: Diversification in the agricultural world has been evolving for decades – finding our niche is a constant challenge in production agriculture. Is it time to diversify? Within our industry, or into another commodity or service? Is value-added vertical integration the way to go? Independently or a cooperative effort? Dr. David Kohl, Forum Keynote speaker.

Registration: and more information can be found here: <http://www.nysagsociety.org/wp-content/uploads/2014/11/2015-Forum.pdf>

The 2015 Empire State Producers Expo

When: January 19 –22

Where: The Oncenter Convention Center, Syracuse, NY

Program: Combining the major fruit, flower, vegetable, and direct marketing associations of New York, this expo is both a comprehensive trade show and educational conference for the fruit and vegetable growers of New York, nearby states, and Eastern Canada.

From invasive weeds and insecticide resistance to reemerging viruses and soil health (and so much more), the Expo is made to order to growers hungry for information that positions them to grow the healthiest, most pest-resistant, and highest-value crops they can.

Program and Registration: <http://nysvga.org/expo/information/>

Long Island Greenhouse & Floriculture Conference

When: January 20, 2015

Where: Hyatt Place East End, Riverhead, NY.

Program: <http://ccesuffolk.org/events/2015/01/20/long-island-greenhouse-floriculture-conference>

Registration: Contact Linda Holm at Cornell Cooperative Extension, 631-727-7850 x341 or linda.holm@cornell.edu.

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Long Island Horticulture Conference

When: January 22, 2015

Where: Clarion Hotel and Conference Center. Ronkonkoma, NY.

Program:

https://s3.amazonaws.com/assets.cce.cornell.edu/attachments/4264/LIHC_2015.pdf?1415647740

Registration: Contact Linda Holm at Cornell Cooperative Extension, 631-727-7850 x341 or linda.holm@cornell.edu

The 2015 Northeast Organic Farming Association: New York, Winter Conference

When: January 23 – 25

Where: City Center, Saratoga Springs, NY

Program: Organic farmers (and serious gardeners) from New York and the Northeast flock to Saratoga Springs each year for a comprehensive program that offers best practices for a range of crops and products from the commonplace to the exotic — with a focus this year on the healthy soils that are the bedrock of every successful farm.

The conference features keynoter, researcher, and writer Wes Jackson, founder of The Land Institute in Kansas and the subject of articles and recipient of awards too numerous to mention here. Registration and Program: <http://www.nofany.org/events/winter-conference>

30-Hr Pesticide Training Course, Troy, NY

Category 3a Turf and Ornamentals (Commercial) and

Category 25 Nursery, Ornamentals and Turf (Private)

When: February 10, 11, 12, 17, 18, 19

Where: Cornell Cooperative Extension of Rensselaer County, Troy NY

Program:

This course is offered as *part* of the training requirements needed for people seeking to become certified as pesticide technicians in category 3a (turf and ornamentals) OR certified as a private applicator in category 25 (nursery, ornamentals and turf) by the New York State Department of Environmental Conservation (NYSDEC). As such, 30 hours of training must be presented to class attendees. For *complete* requirements, contact the NYSDEC at (518) 357-2234 or visit the website <http://psep.cce.cornell.edu/certification/Certification.aspx>

Contact Chuck Schmitt [cgs34@cornell.edu](mailto:cds34@cornell.edu)

Certified Landscape Technician Training Contact: NYSTLA at 914-993-9455 or visit www.nystla.com An optional national testing program to recognize proficiency of qualified landscape professionals.

Certified Nursery Professional Training Contact: In Dutchess, Putnam & Westchester: Scott Olivieri 914-682-4224; In Orange, Rockland & Ulster: Contact: Mark Maseo 845-658-9148 By passing this exam you can earn the title Certified Nursery Professional (CNP). Contact your [New York State Nursery and Landscape Association](#), listed above, for more details.

About Pesticide Certification

If you apply pesticides, including weed-killers, weed and feed products, insecticides, fungicides, or tick control products to customer's properties for hire, you or someone in your company must be a New York State Certified Pesticide Applicator through the New York State Department of Environmental Conservation and have their business registered.

There are three levels of commercial certification: applicator, technician, and apprentice:

For Commercial Applicators

To be eligible to take the exams to become certified, you must meet one of the following requirements:

3 out of the past 5 years of verifiable experience as an apprentice working in the category applicant is seeking certification in; or 3 out of the past 5 years as a certified private applicator in a corresponding private category; or Certification in another State with which New York has reciprocity; or if seeking certification in the Sales Category - At least 3 years experience in the sale of pesticides, or can demonstrate, through applicable training certifications or education degrees, that one possesses appropriate technical background.

Certified Pesticide Technician: be at least 17 years of age. 2 years of verifiable experience as an apprentice; or Completion of a 30-hr. training course, approved by the NYS DEC or a baccalaureate or associate degree from an accredited college or university in the area seeking certification. These are offered at the following: **30 Hour Courses:** Pest Management Training Center (B. H. Stangel, Inc.): (845) 357-7734, barrypmtc@optonline.net, or visit www.pestmanagementtraining.com/s/. Advanced Technical Consultants (ATC): Kevin Hurley, 845-687-6483, or visit www.pested.com (on line courses) For a more detailed list of current 30 hour certification courses, search the calendar database at Cornell University's Pesticide Management and Education program:

<http://coursecalendar.psur.cornell.edu/>

Technicians, once certified, desiring full applicator status the following documentation is required: a letter indicating 2 yrs. of experience or 1 yr. of experience plus 12 recertification credits. Experience and recertification credits must be category or sub-category specific.

Pesticide Apprentice: Must be at least 16 years of age; Must receive 40 hours of pesticide use experience under supervision of a certified applicator and a minimum of 8 hours of instruction on topics outlined in Section 325.18 of Part 325 Rules & Regulations relating to the application of pesticides, before being able to apply general use pesticides under the off-site direct supervision of a certified applicator. Documentation of the above must be maintained by the certified applicator, and include: name & address of apprentice; date(s) of instruction or observation; content of training and certification category; instructor's name and certification identification number; and an evaluation of the competency of the apprentice.

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For Private Applicators

Must be at least 17 years old. Have at least one year of full-time experience within the last three years in the use of pesticides in the category in which certification is requested --OR Has completed a 30-hr. training course, or has received an associate's or higher level college degree in the area of which certification is requested.

For further information on eligibility rules and regulations, and fees, contact the NYS DEC Region 3 Pesticide Staff at (845) 256-3097. Eligible candidates for certification must and pass two examinations, administered by the NYSDEC. Once you determine you are eligible for certification, contact -your county's NYS DEC office for information on registering for the exams. NYS DEC Region 3 can be reached by calling (845) 256-3097.

Cornell University Cooperative Extension County Commercial Horticulture Educators

Dutchess: Stephanie Radin, sradin@cornell.edu, 845-677-8223 x 104

Orange: Rosemarie Baglia, rsb22@cornell.edu, 845-344-1234

Putnam: Jennifer Stengle, jjs95@cornell.edu, 845-278-6738

Rockland: Anne Christian, alc44@cornell.edu, 845-429-7085

Ulster: Teresa Rusinek, tr28@cornell.edu, 845-340-3990

Westchester: Gerald Giordano, ggg3@cornell.edu, 914-946-3005

Resources:

Free Newsletters

Greenhouse IPM update: Elizabeth M. Lamb eml38@cornell.edu

Christmas Tree IPM update: Elizabeth M. Lamb eml38@cornell.edu

Subscription Newsletters:

Cornell Turf Program: <http://www.hort.cornell.edu/turf/>

Subscribe to Turf Short Cutt, RSS Feed, Blog: <http://www.hort.cornell.edu/turf/pdfs/shortcuttorder.pdf>

Branching Out: <http://branchingout.cornell.edu/>

Newsletter Subscription: <http://branchingout.cornell.edu/Subscriptions.html>

Eastern New York Commercial Horticulture Program (Fruits and vegetables): <http://enych.cce.cornell.edu/>

Enrolled Newsletter Subscription: email mmp74@cornell.edu

Free Weekly Updates:

- USDA Crop/Weather/Livestock updates: chose your crop, Ag industry or just the weather and email updates will be sent weekly:
http://www.nass.usda.gov/Statistics_by_State/New_York/Subscribe_to_NY_Reports/
- Forecast: weekly updates for Turf Industry <http://www.nrcc.cornell.edu/grass/>

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Mention of trade names and commercial products is for educational purposes; no discrimination is intended and no endorsement by Cornell University Cooperative Extension or Cornell University is implied. Pesticide recommendations are for informational purposes only and manufacturers' recommendations change. Read the manufacturers' instructions carefully before use.

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If you wish to be removed from future mailings, please contact the office in your county.

If this newsletter has been forwarded to you and you would be interested in receiving a copy each month, contact your local Cornell University Cooperative Extension Educator and ask to be put on the list.

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