



Prevention Efforts

Education and Public Awareness

Cornell Cooperative Extension Invasive Species Program

"Our mission is to promote knowledge and understanding of invasive species to help stop their spread by engaging citizens in a wide range of activities across the state and encouraging them to take action."

Cornell Cooperative Extension Invasive Species Education Program

The **Cornell Cooperative Extension Statewide Invasive Species Education Program (CCE ISP)** was created in late-2010. The CCE ISP is funded by the **New York State Environmental Protection Fund** under contract with the **New York State Department of Environmental Conservation**. The Program's Mission is to provide all New York stakeholders affected or potentially affected by (or influencing) invasive species with high quality science-based educational programs and cutting edge research-based information regarding invasive species of major concern to the State of New York. These programs and information will assist stakeholders in preventing and detecting the introduction of new invasive species (or the further spread of existing species), managing or controlling existing populations of invasive species, and controlling or eradicating new and existing invasive species populations. This will benefit the State by protecting New York's agricultural, forest, aquatic and "built" resources, human and animal health, and economy from the negative impacts of invasive species. The CCE ISP works closely with the State's eight PRISMs and 57 CCE County Associations to support them in their invasive species outreach and education activities.

The CCE ISP is managed by Cornell University Cooperative Extension, shares the NYIS.INFO website with the NY Invasive Species Clearinghouse, and is advised by the same Advisory Network that advises the Clearinghouse.

New York Invasive Species Clearinghouse and Website

The **New York Invasive Species Information Website - NYIS.INFO** and its host, the **New York Invasive Species Clearinghouse**, [the two are jointly referred to as NYIS.INFO] were founded in October 2008. NYIS.INFO is funded with **New York State Environmental Protection Fund** resources through a contract with the **New York State Department of Environmental Conservation**. NYIS.INFO was established in response to Recommendation 5 of the November 2005 report of the New York State Invasive Species Task Force report to the Governor and Legislature. The Task Force recommended that the State should integrate invasive species databases and information clearinghouses. This resulted in the creation of the invasive species database and mapping project *iMapInvasives* and the information clearinghouse project, NYIS.INFO.



The **Mission** of the Clearinghouse is to be a gateway for New Yorkers to access timely, accurate scientific and policy information to assist them in making informed decisions about preventing, eradicating, controlling and managing invasive species in New York State and to focus attention on the need for invasive species prevention, eradication and management in New York. The Clearinghouse also provides information on upcoming invasive species events and invasive species news of interest to New Yorkers. The Clearinghouse has subsumed the National Aquatic Nuisance Species Clearinghouse and its Aquatic Invasive Species Database and has formed linkages with the New York Invasive Species Database (*iMapInvasives*), the New York Invasive Species Research Institute at Cornell, and numerous State and Federal agency invasive species programs. The Clearinghouse works closely with the State's eight PRISMs (Partnerships for Regional Invasive Species Management) to support them in their invasive species activities.



Meet ^{THE} Staff

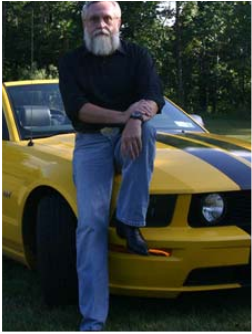
Cornell Cooperative Extension Invasive Species Program

Chuck O'Neill

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Chuck O'Neill, a former Senior Extension Associate with the New York Sea Grant Extension program, is the director of the New York Invasive Species Clearinghouse and the Coordinator of the Cornell Cooperative Extension Statewide Invasive Species Education Program. Chuck was with New York Sea Grant for 30 years, the last 22 of which were spent as Sea Grant's invasive species team leader. Chuck also serves as New York Sea Grant's representative to the New York State Invasive Species Advisory Committee and represented Sea Grant on the original New York Invasive Species Task Force. From 2002 through 2008, Chuck served on the National Invasive Species Advisory Committee (ISAC) which advises the National Invasive Species Council on invasive species issues of national significance, where he chaired the Committee's Communications, Education and Outreach Subcommittee.

Marilyn Wyman

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Marilyn Wyman is the Natural Resources Issue Leader for Cornell Cooperative Extension of Columbia and Greene Counties, where she has been involved in extension work relating to natural resources and community agriculture for over 20 years. She has degrees in Biology and Chemistry, and a master's degree relating to multiple forest values. Marilyn works with farmers, forest landowners, foresters, loggers, agencies, environmental organizations and community groups on topics relating to the wise stewardship of our natural resource base. Her work with invasive species includes assisting with the development of the Catskill Regional Invasive Species Partnership (CRISP, the PRISM in the Catskill, mid-Hudson region), and other PRISMs in eastern NY. She also focuses on dealing with the spread of both the Emerald ash borer and Hemlock woolly adelgid, especially in the Hudson Valley/Catskill Mountain region, and other invasive species impacting New York's forests. Marilyn believes awareness and prevention are essential in dealing with the increasing effect of harmful invasive species.



Sharon Bachman

Regional Invasive Species Educator

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Sharon Bachman has been a Community Educator for Agriculture with the CCE Association of Erie County for the past five years. Prior to joining Cooperative Extension, Sharon worked for eight years in agricultural consulting. Sharon holds a BS degree from Cornell University in Agricultural and Biological Engineering. Sharon will be serving as the Regional Invasive Species Educator for western and west-central NY, working out of the CCE Association of Erie County office. Sharon has been working with WNY stakeholders to educate them about emerald ash borers (EAB) since the insect's discovery in Erie County in 2011. She has provided outreach education and assistance in coordinating meetings and outreach through the WNY EAB Taskforce. For the past three years, she has been connecting youth with Cornell's 4-H Wasp Watcher Project, teaching them how to use *Cerceris fumipennis*, a native ground-nesting wasp, as a bio-surveillance tool for EAB. Sharon is also involved in outreach education activities about other invasive insects as the spotted wing *Drosophila*, brown marmorated stink bug, alfalfa weevil, and other emerging pests, particularly agricultural, that are impacting NY.



Meet THE Staff

Cornell Cooperative Extension Invasive Species Program

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In her role as Assistant Director for Cornell Cooperative Extension, with responsibilities in Environment and Natural Resources, Deb Grantham works to develop programming and funding opportunities by connecting Extension and research faculty and educators with each other and with agency, non-profit, and private sector stakeholders. Her role with the Cornell Cooperative Extension Statewide Invasive Species Education Program is to involve CCE Associations more fully in the program, engage faculty in applied research, training, and pest identification and descriptions. Grantham also is a Senior Extension Associate in the Department of Crop and Soil Sciences and is working to bring fuller attention to agricultural issues and the interaction of agriculture and natural areas in invasive species management. Deb is also a Fellow with the Atkinson Center for a Sustainable Future, enhancing her opportunities to engage campus faculty.

Nicole Landers

Natural Resources Team Coordinator

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Nicole is the Agriculture and Natural Resource Issue Leader of Cornell Cooperative Extension (CCE) of Yates County. Nicole has a M.S. in Botany and Plant Pathology from Michigan State University and M.P.S. in Ecology from SUNY-ESF, Syracuse, NY. She has conducted research in plant pathology and ecology with a focus on invasive species. She conducted agricultural and ecological research for 10 years prior to coming to Yates County and has presented her research at national and international meetings. As a NSF GK-12 Fellow, Nicole taught inquiry-based ecology lessons to advanced high school students in central New York, the Adirondacks and New York City. She has provided educational programs on invasive species for the Finger Lakes Museum, Cumming Nature Center, and Cornell Cooperative Extension and has been involved in providing guidance for draft local aquatic invasive species legislation. She is the newest member of the CCE ISP team and will be serving the southern part of the Finger Lakes PRISM.



LEARN MORE ABOUT NYIS AT: [HTTP://WWW.NYIS.INFO](http://www.nyis.info)

NYIS.INFO is your gateway to science-based information, breaking news, and innovative tools for coping with biological invaders in New York. NYIS.INFO links scientists, local, state and federal resource managers, policy setters, educators, and grassroots efforts to help you become part of the battle against invasive species in New York.

 twitter.com/NYInvasiveSpp



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This publication, the Invasive Species Program, and the NY Invasive Species Clearinghouse are supported by the NYS Environmental Protection Fund through a contract with the NYS Department of Environmental Conservation.

Cornell Cooperative Extension provides equal program and employment opportunities.



Fact Sheet

What are invasive species?

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Aquatic Plants



e.g. Water Chestnut

Insects



e.g. Emerald Ash Borer

Aquatic Animals



e.g. Asian Clam

Invasive species fall under 6 categories

Terrestrial Plants



e.g. Garlic Mustard

Pathogens & Parasites



e.g. Late Blight

Terrestrial Animals



e.g. Feral Swine

Invasive Species:

Are organisms or plants that are introduced in a new environment where they are not native

Have a negative impact on ecosystems, recreation, health & economics

Are Adaptable | Have Few Predators | Out-compete for Food and Habitat | Reproduce Quickly | Thrive in Disturbed Systems