

**Vermont's Monthly Invasives Update 2009**  
September 2009

***The Monthly Invasives Update is distributed by The Vermont Chapter of Nature Conservancy's Wise on Weeds! program. If you would like to like to receive the newsletter, have something to contribute, or would like to be taken off the mailing list, please contact Sharon Plumb at [splumb@tnc.org](mailto:splumb@tnc.org).***

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<https://app.e2ma.net/app/view:CampaignPublic/id:23110.2260807396/rid:1bf3eb51ee29a6adc242804cadb622d2>

**VOLUNTEER OPPORTUNITIES**

- 12. Wanted: Reports of Japanese and Common barberry, Burning Bush and Norway Maple infestations on public and private land *This is quick! Fall 2009***
- 13. Volunteer Work Days at Wise on Weeds! Demonstration Sites *Fall 2009***
- 14. Get outside with The Nature Conservancy and Pull it Up! *Fall 2009***
- 15. Invasive species control project on the Town of Londonderry Prouty property in Londonderry on *Saturday, September 12.***
- 16. Wanted: People to Collect Native Seed**

## LEARNING OPPORTUNITIES

17. **Invasive Plant Management Workshop King Farm Woodstock, VT** *October 17, 2009  
Woodstock, Vermont*
18. **Asian Long-horned Beetle/Emerald Ash Borer Workshop** *Saturday September 19th 9:30am-12:30 Northwood's Stewardship Center, East Charleston, Vermont*
19. **Forest Pest Campground Surveys** *Saturday September 26th 9am-12, LonePine Campground, Colchester, VT*
20. **VERMONT WOODLANDS ASSOCIATION'S 2nd ANNUAL LEVEL II FORESTRY SCHOOL** *September 12-13, 2009 Hulbert Outdoor Center, Fairlee, VT*
21. **Get Wise on Weeds! Ecological Friendly Parks and Trails workshop at Governor's Conference on Parks & Recreation** *September 30, 2009 Lake Morey Inn, Fairlee, Vermont session at 9:20 – 10:30*
22. **Vermont Nursery and Landscape Association Annual Meeting Invasive Species Panel, focused on 2010 additions to the Quarantine Rule** *September 16, 2009 - Wednesday - 8AM-4PM*
23. **Dead Creek Wildlife Days** *October 3, Addison, VT*
24. **Floodplain Forest Workshop Randolph, VT** *Wednesday September 16, 2009 5:30 pm — 7:00 pm*
25. **SOUL Tree Stewards 2010 Course** *Starts winter 2010*
26. **Invasive Species - Fighting High Priority Invaders Through Research and Outreach** *November 10 – 12 Ithaca, NY*
27. **Northeastern Weed Science Society (NEWSS) Noxious & Invasive Vegetation Management Short Course** *September 21-25th, 2009 at Gretna Glen Retreat in Lebanon County, Lebanon, PA.*
28. **Lake Management Conference: /Management Options for Central New York Lakes** *Cicero, New York Wednesday, September 16, 2009 8:30 AM to 3:30 PM*

## FUNDING OPPORTUNITIES

22. **Center for Invasive Plant Management** - check out this extensive list of grant opportunities available for invasive plant management and outreach.  
<http://www.weedcenter.org/funding/funding.html>
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## SPECIES SPOTLIGHT

### 1. Species Spotlight: Norway maple

WANTED: Reports of Norway maple invasions throughout Vermont (see attached).

Japanese barberry, burning bush, and Norway Maple are invasive plants that are still sold by Vermont nurseries. The Vermont Invasive Exotic Plant Committee needs documentation that of where this species has invaded Vermont's roadsides and woodlands. The more data we have, the greater likelihood we have of adding this to Vermont's quarantine rule in the upcoming year.



**Norway maple** invades Vermont's forests. They are **easy to see in the fall** when their leaves turn a golden yellow color and wide-angled fruit

Photos by [Paul Wray](#), Iowa State University, United States.

For additional photos and identification tips, go to <http://www.invasive.org/species/subject.cfm?sub=3002>



### Why are Norway Maples a problem?

- Like other invasive shrubs and trees, they keep their leaves on longer in the fall and leaf out earlier in the spring, providing nearly a month more to photosynthesize, grow, and outcompete native trees and shrubs.
- Unlike native maples, they do not serve as a host plant for butterfly and moth larva.
- Unlike native maples, they are not stunningly gorgeous in the fall. Tourists won't flock to see forests filled with Norway maples.
- It takes a lot more Norway maple sap to make syrup than sugar maples!
- Native rodents don't recognize the fruits as food. Squirrels, mice and chipmunks preferentially feed on sugar maples, acorns and other nuts, leaving more Norway maples to sprout.
- Norway maple (*Acer platanoides*) provides breeding habitat for another highly invasive species, the Asian long horned beetle (*Anoplophora glabripennis*), an insect that threatens to significantly reduce North American hardwood forest stands. Research shows female beetles will live longer and produce more fertile eggs on non-native Norway maples than on native red maples (*Acer rubrum*). — *Environmental Entomology, 2002*

### Mechanical treatment:

#### **For small plants:**

Hand pull plants and hang them by their roots in a nearby tree.

#### **For large plants:**

Girdle plants in the winter. Using a 2-3 centimeter saw cut through the bark and first tissue layer around the entire tree base. Cut another ring 6 inches above the previous cut. Cut large trees at base with chainsaw or handsaw. Repeating cuts twice a year, in the spring and fall, will reduce plant vigor.

## **Herbicide treatment:**

Cut stumps may be dabbed with a 20% glyphosate herbicide\* such as Round-Up® or Rodeo®, solution.

### ***\*For safe and legal herbicide application:***

Read the herbicide label. The label is the law.

- If you are treating large stands of an invasive, or working on public lands, it is highly recommended to hire a licensed herbicide applicator.
- Private citizens can legally apply non-restricted use herbicides on land on which they own. All others need to become certified applicators or hire someone that is certified.
- If you have questions about herbicide use, contact the VT Agency of Agriculture at 802-828-2431.
- If you are working in or near a waterway or wetland, contact the VT Department of Environmental Conservation at 802-241-3761. To get certified or to obtain a list of herbicide contractors **Contact Matt Wood (802.828-3482 o [Matthew.Wood@state.vt.us](mailto:Matthew.Wood@state.vt.us)) at the Department of Agriculture.**

## **NOTEWORTHY NEWS**

### **2. Update on Asian Longhorned Beetle and Emerald Ash Borer Activities in Vermont**

The State of Vermont has been busy with workshops and tracking activities to educate Vermonters about invasive insects. Check out a full description of the summer's activities in the attached document!

### **3. Tracking Alien Species with Smart Phones**

<http://news.nationalgeographic.com/news/2009/07/090730-survey-video-ap.html>

July 30, 2009. New smart-phone applications may enable the public to help scientists monitor invasive species and collect data in a fraction of the time it normally takes.

### **4. Garlic Mustard Loses Toxic Edge**

<http://www.laboratoryequipment.com/news-garlic-mustard-loses-toxic-edge-090209.aspx?xmlmenuid=51>

September 2, 2009. A Univ. of Illinois study indicates that eventually garlic mustard's primary weapon--a fungus-killing toxin injected into the soil--becomes less potent. The study, in the Proceedings of the National Academy of Sciences, is one of the first to show that evolutionary forces can alter the very attributes that give an invasive plant its advantage. In fact, the study suggests the plant's defenses are undermined by its own success.

### **5. Munching on Garlic Mustard: A New Weevil in the Works**

<http://www.ars.usda.gov/is/AR/archive/jul09/>

### **6. Richmond Land Trust Garlic Control harvesting (and eating!) Efforts touted in Christian Science Monitor**

<http://features.csmonitor.com/environment/2009/09/03/invasive-plants-from-pest-to-pesto/>

**7. Britain Experiments with First Ever Use In Europe Of An Insect To Fight Invasive Plant Species (Knotweed...!)**

<http://www.sciencedaily.com/releases/2009/07/090730073926.htm>

ScienceDaily (July 30, 2009) -- Researchers at the University of Leicester have paved the way for the first ever use in Europe of an insect (biocontrol) to combat an invasive plant species in Britain.

**8. Invasive species combatants can become pests themselves By Frank MacEachern Staff Writer - The Connecticut Post Online**

[http://www.connpost.com/ci\\_13232323](http://www.connpost.com/ci_13232323)

In a small wooded section of northwest Greenwich, tiny weevils have been busily eating their way through the mile-a-minute vine in an experiment to see if the invasive plant can be controlled. But the weevil is itself a non-native species to North America, and scientists warn that great care must be taken when foreign species are introduced.

**9. Herbicide Found in Water May Pose Greater Danger By Kari Lydersen Tuesday, August 25, 2009**

<http://www.washingtonpost.com/wp-dyn/content/article/2009/08/24/AR2009082403051.html?hpid=sec-nation>

CHICAGO, Aug. 24 -- Drinking water containing a common herbicide could pose a greater public health risk than previously thought because regular municipal monitoring doesn't detect frequent spikes in the chemical's levels, according to a report released Monday by the Natural Resources Defense Council.

**10. Will 'Energy Crops' Become the Next Kudzu?**

By JESSICA LEBER of ClimateWire

Published: August 12, 2009

<http://www.nytimes.com/cwire/2009/08/12/12climatewire-will-energy-crops-become-the-next-kudzu-16525.html> U.S. policies are subsidizing new energy crops that are likely to spread off the farm and wreak economic and ecological havoc, a federal advisory board cautioned yesterday.

**11. News from the Center for Invasive Plant Management**

This website has numerous resources for outreach and management, and a quality bimonthly newsletter worth perusing over morning coffee.

<https://app.e2ma.net/app/view:CampaignPublic/id:23110.2260807396/rid:1bf3eb51ee29a6adc242804cadb622d2>

**VOLUNTEER OPPORTUNITIES**

**12. WANTED: Reports of Japanese Barbery, Burning bush, and Norway maple infestations on public and private land (see attached)**

The Vermont Invasive Exotic Plant Committee (VIEPC) is working to add over a dozen species to Vermont's Quarantine Rule. It is currently developing reports to submit to the Department of Agriculture. These reports will be greatly enhanced and far more effective with the inclusion of reports of invasive species infestations found throughout the state. The VIEPC is particularly concerned that Japanese Barberry, Norway Maple, and Burning bush will meet resistance for inclusion. The more reports that we have, the greater likelihood that these plants will be included in the new rule. Please take 5 minutes to fill out the attached data report forms and send to [splumb@tnc.org](mailto:splumb@tnc.org) or Sharon Plumb, The Nature Conservancy, 27 State Street, Montpelier, VT 05602.

### **13. Volunteer Work Days at Wise on Weeds! Demonstration Sites**

*The Wise on Weeds! Demonstration program helps non-profits, businesses, and community groups develop invasive terrestrial plant outreach and management activities. This fall we are working with demo sites to host volunteer work days. Check out [www.nature.org/vermont/weeds](http://www.nature.org/vermont/weeds) for more information.*

### **14. Get outside and pull invasives with The Nature Conservancy and Pull it Up**

*The Nature Conservancy has numerous fall woody invasive work days planned. Come and Get outdoors to enjoy the fall weather on one of our preserves and give back to the natural world at the same time! Check [www.nature.org/vermont/](http://www.nature.org/vermont/) Unless otherwise noted contact (802) 229 - 4225 ext. 111 or [voluteervt@tnc.org](mailto:voluteervt@tnc.org) for more information.*

- **White River Ledges** (Pomfret) Friday, Oct. 23<sup>rd</sup>
- **LaPlatte River Marsh** (Shelburne) Wednesday, Sept. 30<sup>th</sup>, Friday, Oct. 2<sup>nd</sup>. Monday, Oct. 5<sup>th</sup>. Saturday, Oct. 17<sup>th</sup>
- **Williams Woods** (Charlotte) Friday, Sept. 25<sup>th</sup>. Tuesday, Sept. 29<sup>th</sup>
- **Pherrins RiverWetlands**(Morgan) Thursday, Aug. 13<sup>th</sup>
- **Snake mountain south** (Bridport) Saturday, Oct. 3<sup>rd</sup>. Thursday, Oct 15<sup>th</sup> Wednesday, Oct 21<sup>st</sup>, Tuesday, Oct. 27<sup>th</sup>, Wednesday, Oct. 28<sup>th</sup>. Wednesday, Nov. 4<sup>th</sup>
- **Lewis Creek Hill** (Charlotte)Wednesday, Oct. 7<sup>th</sup>, Thursday, Oct. 8<sup>th</sup>, Tuesday, Oct. 13<sup>th</sup>, Saturday, Oct. 24<sup>th</sup>
- **Eshqua Bog**(Hartland) Thursday, Oct. 29<sup>th</sup>
- **Equinox Highlands Area** (Manchester) Thursday, Sept. 10<sup>th</sup>, Monday, Sept. 21<sup>st</sup>, Wednesday, Oct. 7<sup>th</sup>, Tuesday, Oct. 13<sup>th</sup>, Saturday, Oct. 21<sup>st</sup>. *For meeting times and directions, contact Dave McDevitt at: (802) 265 - 8645 ext. 26 or [dmcdevitt@tnc.org](mailto:dmcdevitt@tnc.org)*

### **15. Invasive species control project on the Town of Londonderry Prouty property in Londonderry on Saturday, September 12.**

The Londonderry Conservation Commission is sponsoring an invasive species control project on the Town of Londonderry Prouty property in Londonderry on Saturday, September 12. Long View Forest Contracting, Inc. in conjunction with the VT Department of Forests, Parks and Recreation will provide the materials and expertise. This project is a follow-up on last summer's invasive species identification workshop where The Nature Conservancy presented its Wise on Weeds! program. This year the focus is on the elimination of invasive plants on the Town of Londonderry Prouty lands through selective herbicide application and manual pulling. This event is open to all interested persons who would either like to help out or would

like to learn more about invasive plants and eradication methods for their own properties. We will meet the morning of Saturday, September 12th at 8:30 AM at the South Londonderry Town Offices (School Street, South Londonderry). This will be a whole-day event so pack a lunch if you want to stay the day, along with appropriate outdoor and footwear. If it is raining or looks like rain that weekend, we have scheduled a raindate for Wednesday, September 16 at the same time and meeting place. *For further information, contact Aaron Hurst at 802-885-8888.*

#### **16. Wanted: People to Collect Native Seeds**

The Green Mountain National Forest has formed a partnership with several other agencies to develop a sustainable supply of native seed mixes with local genotypes that can be used in restoration projects across the Adirondacks and non-coastal VT, NH, and ME. The group is currently looking for volunteers to collect seeds of 12 different species from any of these locations. Seeds will ultimately be given to a grower to multiply them and create seed mixes.

More information is available at their website:

<http://nenativeseeds.googlepages.com/home>

### **LEARNING OPPORTUNITIES**

#### **17. Invasive Plant Management Workshop King Farm Woodstock, VT October 17, 2009. 9 am – 3 pm. For more information or to register contact Donna Foster at [donna@vlt.org](mailto:donna@vlt.org).**

Are barberry and buckthorn taking over the fields and forests that you love? Are invasive plants replacing native trees and shrubs in your woodlot or sugarbush? The best remedy is to take action! Learn how to identify invasive species, how they spread and why they are a threat to biodiversity and the economy. We'll demonstrate various chemical and mechanical treatment techniques, and share tips on how to prioritize invasive management work on your property. After lunch, we'll get busy working on invasives removal at the King Farm. Co-sponsored by The Nature Conservancy.

#### **18. Forest Pest Workshops” Saturday September 19th 9:30am-12:30 Northwood’s Stewardship Center, East Charleston, Vermont**

Workshops are aimed at teaching volunteer citizens how to identify signs and symptoms of Asian Longhorned Beetle (ALB) and Emerald Ash Borer (EAB) damage in Vermont. In the classroom, attendees will learn: 1) The threat Vermont's forests face from non-native pests (current update on ALB and EAB), 2) Biology, including how to recognize the larval and adult stages, 3) How to recognize external symptoms of ALB/EAB infestation on host trees, 4) Who to contact should they recognize these pests. In the field, attendees will spend time doing a walk-through of high risk host hardwood trees, and will have the opportunity to practice survey techniques. Both beetles are not yet known to occur in Vermont, so having trained volunteers who can recognize both of these pests will increase our chances of early detection. **Please contact Jayson Benoit at (802) 723-6551 ext.113 or [jayson@northwoodscenter.org](mailto:jayson@northwoodscenter.org) to pre-register.**

**19. Forest Pest Campground Surveys: *Saturday September 26th 9am-12, LonePine Campground, Colchester, VT***

Campground surveys are aimed at teaching volunteer citizens how to monitor their own communities for signs and symptoms of Asian Longhorned Beetle and Emerald Ash Borer. Volunteers will be provided with surveillance equipment, but should provide their own lunch and dress appropriately for weather conditions and walking in forest type environments. ***Please contact Marie Ambusk at (802) 999-1126 or [marie.ambusk@ge.com](mailto:marie.ambusk@ge.com) to pre-register.***

**20. VERMONT WOODLANDS ASSOCIATION'S 2nd ANNUAL LEVEL II FORESTRY SCHOOL *September 12-13, 2009 Hulbert Outdoor Center, Fairlee, VT***

Vermont Woodlands Association announces their 2nd Annual Level II Forestry School Weekend Workshop titled "To Take You to the Next Level of Forest Management." If you want to be a good steward for your forestland this is the course for you to learn land management. The workshop will begin at 9:00 AM on Saturday (8:30 AM registration) and will continue until 3:00 PM on Sunday. Using classroom discussion and outdoor field work, participants will be better able to understand forest terminology, tree identification, timber harvesting, forest pests, wetlands, wildlife habitat, forest soils, forest roads and trails, boundary lines, and exotic invasive plants. Cost for the weekend workshop is \$100.00 per person, including overnight accommodations and 4 meals, or \$75.00 per person for commuters and registration is required.

<http://www.vermontwoodlands.org/programs.html#ForestrySchool>

**21. Get Wise on Weeds! Ecological Friendly Parks and Trails workshop at Governor's Conference on Parks & Recreation *September 30, 2009 Lake Morey Inn, Fairlee, Vermont session from 9:20 – 10:30***

Getting outside to play in a playground, plant gardens, and hike on trails can be one of the 'greenest' forms of recreation. Unfortunately, the forests and fields that we love are degrading in quality due to invasive terrestrial plants. Honeysuckle takes over trails and barberry and burning bush decrease the number and diversity of native plants in our forests. Come and learn how invasive plants threaten Vermont's ecology and working forests. If you manage parks in your community, this will help you to select safe alternatives. If you manage trails or run recreation programs, this will help you learn best management practices for control, and how to engage people of all ages in this important grassroots movement. The Nature Conservancy's Wise on Weeds! program has worked with dozens of community groups, non-profit organizations, and schools. Learn how your organization can become a Wise on Weeds! demonstration site and green up your bottom line!

<http://www.vrpa.org/programs/09govconf.pdf>

**22. Vermont Nursery and Landscape Association Annual Meeting *Includes Invasive Species Panel discussion about additions to the Quarantine Rule***

Vermont Invasive Plants—Panel Discussion w/ Kathy Decker, VT Forest, Parks & Recreation; Rose Paul, The Nature Conservancy; John Padua, Cobble Creek Nursery; and

Tim Schmalz, VT Agency of Agriculture—all members of the VT Invasive Exotic Species Committee. The VT Agency of Natural Resources is currently studying the extent of invasive species in VT and will be recommending to the VT legislature if additional action needs to be taken. Learn more about where we are with the VT Noxious Weed Quarantine Rule, where we may be headed and how it will affect our industry. <http://www.greenworksvt.org/>

### **23. Dead Creek Wildlife Days - October 3, Addison, Vermont.**

Come to Dead Creek Wildlife Management Area for a full day of workshops, including Bird Banding Demonstration, Common Tern Ecology, Clayplain Forest Walk and Plant Identification, Live Critters of New England, Fishing Know How. Retriever Handling. Bobcat Ecology. Goose Blinds and Decoy Sets and more. The Nature Conservancy's Train the Trainers will host a table about invasive species.

[http://www.vtfishandwildlife.com/images/deadcreek/poster\\_08\\_for\\_web.pdf](http://www.vtfishandwildlife.com/images/deadcreek/poster_08_for_web.pdf)

### **24. Floodplain Forest Workshop Randolph, VT Wednesday September 16, 2009 5:30 pm — 7:00 pm**

Join others for an early evening walkabout through the Randolph Floodplain Forest to learn about this unique natural community; the non-native invasive plant species that threaten it; and how management can help preserve this valuable town resource. This informal workshop will be led by Mike Bald, U.S. Forest Service volunteer coordinator and Rick Enser, consulting conservation biologist.

**Directions:** In Randolph, travel south on Main Street. Turn Left at Pleasant Street. Take immediate Left onto Prince Street and head down the hill. Turn Right at the bottom of hill. Entrance to Randolph Floodplain Forest is ahead. Park beside bowling alley.

### **25. SOUL Tree Stewards Course Helps Citizens Become Tree Stewards**

Vermonters can learn about tree care and explore urban and community forestry issues through a course offered statewide this winter. The Stewardship of the Urban Landscape (SOUL) Tree Stewards course will be offered by the Vermont Urban and Community Forestry Program at fifteen locations around the state this winter. ***The course will run Thursdays from 6:00-9:00 pm starting February 11- April 8, 2010.***

The SOUL tree steward training program teaches volunteers how to plan for, plant and maintain trees in the built environment. The eight-week course curriculum includes the following topics: Tree Identification, Tree Biology, Landscape Planning and Design, Tree Planting, Tree Maintenance and Pruning, Municipal Forest Management, Tree Health, Risk Tree Management, Tree Inventories, Establishing a Tree Board or Tree Committee, Funding Community Forestry, Conservation Planning, Species Selection, Working with Volunteers, Public Speaking, Working with Media and Developing a Tree Policy.

The SOUL Tree Stewards program is open to anyone. For more information, including complete course syllabus and registration materials, visit the SOUL Tree Stewards website at <http://www.uvm.edu/extension/soul/>. For further questions, contact Kate Forrer at [katherine.forrer@uvm.edu](mailto:katherine.forrer@uvm.edu), 802-223-2389 x25, or toll-free (in VT) at 1-866-860-1382.

The Vermont Urban and Community Forestry Program is a joint initiative between the University of Vermont Extension and the VT Department of Forests, Parks and Recreation.

**26. Invasive Species - Fighting High Priority Invaders Through Research and Outreach** *November 10 – 12 Ithaca, NY*

Invasive species are impacting all sectors of life in New York: our ecosystems; our food supply; our built environments; even our recreation and human health. This in-service, the second in a series of invasive species educational opportunities, is intended for Cornell Cooperative Extension educators and PRISM (Partnerships for Regional Invasive Species Management) members. It will provide them with the information and tools they need to be leaders in the battle against invasive species. The focus this year will be on a number of high-profile invasive species, their characteristics, current research, and management/control. For more information, contact: Chuck O'Neill: [cro4@cornell.edu](mailto:cro4@cornell.edu)

**27. Northeastern Weed Science Society (NEWSS) Noxious & Invasive Vegetation Management Short Course** *September 21-25th, 2009 at Gretna Glen Retreat in Lebanon County, Lebanon, PA.*

The 4 day includes introduction to Herbicides Labels will be offered Monday afternoon followed by an evening on site BBQ. Species specific fireside chats with instructors and registrants are being offered each evening based on an optional sign up format. Tuesdays lectures include EDRR, What's on the Horizon, Biocontrol and Plant Physiology and Herbicide Translocation. Tuesday afternoon core lectures include Regulations, PPE Wear and Safety followed by group dinner offsite. Wednesday begins an intensive day of core lectures including Environmental Fate, Mode of Action, Formulations and Surfactants in the morning followed by outdoor workshops such as Beginner and Advanced Applicator Spraying and Calibration, Beginner and Advanced Applicator Scouting, Inventory and Technologies and an equipment demonstration. Thursday begins the all day outdoor Rails to Trails Species Specific Weed Management talks with all instructors and ends at a 5 acre infested Kudzu site (weather permitting) where registrants and instructors will compete in a Weed Challenge designed to incorporate the materials taught at the course. The one day aquatic program begins Friday with registration and includes weed i.d; herbicides and weed management scenarios with the course ending at 5:00 pm. Lunches, the BBQ, a course binder and plant identification books are included in the registration fees. **Registration forms are available by contacting Melissa Bravo at [mbravo@state.pa.us](mailto:mbravo@state.pa.us)**  
<http://www.newss.net/newssnvm.php>

**28. Lake Management Conference: /Management Options for Central New York Lakes** *Wednesday, September 16, 2009 8:30 AM to 3:30 PM*

This event will provide an excellent opportunity to network with community leaders and strengthen regional partnerships. Municipal officials, agency representatives, lake association members, citizen groups, boaters, fishermen, marina owners, community leaders, and other interested citizens will learn about effective lake management strategies and regional priorities for 2010. CONFERENCE PRESENTATIONS WILL INCLUDE:

- Effective plant management options for central New York lakes, including biological, mechanical, and chemical alternatives
- Environmental trends and impacts on the local economy
- Control strategies for invasive species
- And more...

\*CONFERENCE REGISTRATION FEE\*: \$25 per person (includes lunch and refreshments)  
[counties.cce.cornell.edu/onondaga](http://counties.cce.cornell.edu/onondaga)