



Morris Arboretum of the  
University of Pennsylvania

*Official arboretum of the Commonwealth of Pennsylvania*

100 Northwestern Avenue  
Philadelphia, PA 19118



# INVASIVE PLANTS

PERSPECTIVES,  
PRESCRIPTIONS &  
PARTNERSHIPS

August 16 & 17, 2005  
to be held at the  
University of Pennsylvania,  
Philadelphia, PA

**Conference sponsors:**

Mid-Atlantic Exotic Pest Plant Council, Inc.  
Morris Arboretum of the University of Pennsylvania  
The Penn State Cooperative Extension

*Photo by James Miller, USDA  
Forest Services, [www.invasives.org](http://www.invasives.org)*



# invasive plants



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# INVASIVE PLANTS

## PERSPECTIVES, PRESCRIPTIONS & PARTNERSHIPS

**I**nvasive exotic species are an ever increasing threat to the world's biological diversity. This is a problem we all face since our quality of life depends on the health of our natural resources. In this fifth Mid-Atlantic conference attendees will not only obtain useful background on the issues surrounding this biological problem but will also:

Get an overview of the extent of the invasive plant problem in the mid-Atlantic states.

Learn how rising carbon dioxide levels are affecting all life on the planet, including invasive plants.

Get an insiders' view of what the Federal government has done and plans to do to control invasive plants.

Understand how biological controls are being used to target invasive plants.

Learn how herbicides other than Glyphosate can be used to control invasives.

Join in a lunchtime session on the newest invaders to hit our region.

Hear about the ethics of plant collection from a well-known horticulture specialist.

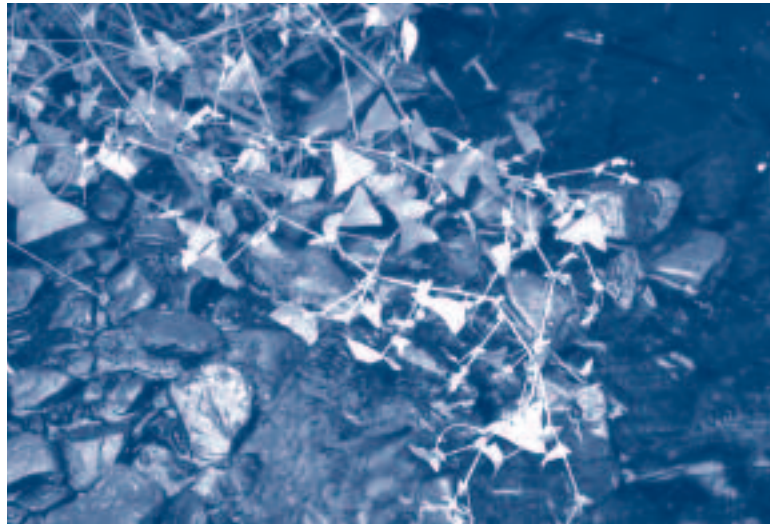
And more!!

### who should attend:

- Nursery and landscape professionals
- Natural resource specialists
- Managers of parks, preserves and conservation districts
- Invasive plant management and restoration specialists
- Extension agents and environmental educators
- Public and botanical garden managers and supervisors
- Researchers, students and gardeners
- Garden and outdoor writers
- Golf course and recreational land managers

### special thanks to:

- U.S.D.A. – APHIS – PPQ
- U.S.D.A. Forest Service
- National Park Service, Northeast Region
- Exotic Plant Management Team



*Photo of Mile-a-Minute Vine*

#### Statement of Non-discrimination

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Photos by Ann Rhoads.

## tuesday, august 16

**8:00 a.m.—Registration, Continental Breakfast, and Resource Area**

**9:00 a.m.—Welcome**—Bob Gutowski, Director of Public Programs, Morris Arboretum, John Peter Thompson, President, Mid Atlantic Exotic Pest Plant Council

**9:10 a.m.—Welcome from the Nursery Industry**—Gregg E. Robertson, President, Pennsylvania Landscape and Nursery Association

**9:20 a.m.—Keynote: Invasive Plants: Vision 2010**—Dr. Nelroy E. Jackson, National Invasive Species Advisory Committee

**10:15 a.m.—Break and Resource Area**

concurrent sessions 1 & 2 • 10:30–11:20 a.m.

\* **1. Herbicide Use Primer: Using Herbicides to Manage Invasive Plant Species in Natural Areas**—Art Gover, Research Support Associate, Penn State-Penn DOT Roadside Research Program

\* **2. Protocols for controlling Invasive plants in the Mid-Atlantic National Parks**—Susan Salmons, National Park Service-Exotic Plant Management Team Liaison

concurrent sessions 3 & 4 • 11:30 a.m.–12:30 p.m.

\* **3. Herbicide Panel: Herbicide Alternatives to Glyphosate**—Glyphosate is the most widely used herbicide for management of invasive species in natural areas. This panel will provide information about other herbicides available to manage invasive plants in natural areas and will discuss the advantages and disadvantages of these products compared to glyphosate. Panelists: Pat Burch, Field Research Biologist, Dow AgroSciences, LLC; Michael A. Fleming, Vegetation Specialist, BASF Corporation, Michael Link, Senior Product Dev. Rep., E.I. DuPont de Nemours, Inc.

**4. On-the-Ground Management: Techniques, Tools and Equipment**—Steve Manning, President, Invasive Plant Control, Inc.

**12:45 p.m.—Lunch Session: Innocent or Invasive**—Share your concerns and pictures of plants you suspect may be invasive. Check the box on the registration form to do a short presentation on one or more plants.

concurrent sessions 5 & 6 • 1:45–3:10 p.m.

### \* 5. Biocontrol Panel

• **Classical Biological Control of Invasive Weeds with Plant Pathogens: Concepts, Procedures, Successes, and Prospects**—Dr. Dana Berner, Plant Pathologist, USDA-ARS, FDWSRU

• **Biological Control of Mile-a-Minute Weed**—Dr. Judith Hough-Goldstein, Professor, Department of Entomology and Wildlife Ecology, University of Delaware

• **Garlic Mustard Biocontrol - Coming Soon?**—Victoria Nuzzo, Natural Area Botanist, Natural Area Consultants

### 6. Barberry, Ecology and Cultivars

• **Barberry Cultivars: Determining their Invasiveness and Developing Sterile Plants**—Dr. Mark Brand, Professor, Plant Science, University of Connecticut

• **Forest Ecology Before and After Barberry Invasion**—Sylvan Kaufman, Conservation Curator, Adkins Arboretum

### 3:10 p.m. Break and Resource Area

**3:30 p.m.—Walking the Line: Invasive Plants and the Nurseryman's Perspective**—Barry Yinger, New Products Resources Manager, Hines Nurseries, Inc., owner, Asiatica Nursery

### 4:30 p.m.—Adjourn

**4:45 p.m.—Mid-Atlantic Exotic Pest Plant Council Annual Meeting**—All conference attendees are encouraged to attend

## wednesday, august 17

**8:00 a.m.—Registration, Continental Breakfast, and Resource Area**

**9:00 a.m.—Welcome and Recap**—John Peter Thompson, President, Mid Atlantic Exotic Pest Plant Council

**9:10 a.m.—Global Warming, Rising CO<sub>2</sub> and Invasive Plants**—Dr. Lewis H. Ziska, Plant Physiologist, U.S. Department of Agriculture, Crop Systems and Global Change Lab

**10 a.m. Break and Resource Area**

concurrent sessions 7 & 8 • 10:30–11:20 a.m.

**7. 10:30 a.m.—New Species Importation: Pre-Import Screening to Prevent Introductions of Invasive Plants.**—This panel will describe and debate initiatives for establishing pre-import screening programs that are now at various stages of implementation. These include both voluntary industry codes of conduct and official (governmental) programs. Panelists: Valerie Vartanian, The Nature Conservancy; Arnold Tschanz, USDA Animal and Plant Health Inspection Service; Craig Regelbrugge, American Nursery and Landscape Association

**8. Soil Disturbance: A Gateway for Opportunistic Plants**—Dr. John Dighton, Professor, Rutgers University.

concurrent sessions 9 & 10 • 11:30 a.m.–12:20 p.m.

**9. 11:30 a.m.—Invasive Plant Species Already in the Trade: What Can be Done to Curb Their Further Spread?** — Representatives of nurseries, landscape professionals, government agencies, and non-governmental organizations explore how to respond to the challenge of curtailing further spread of plant species already in the trade.

\* **10. Recent Findings on Long Term Invasive Earth Worm Control Studies**—Dennis Burton, Land Manager, Schuylkill Center for Environmental Education; Dr. Anne Bockarie, Professor, Philadelphia University **Manipulating Soils to Manage Exotics**—Dr. Joan Ehrenfeld, Professor, Rutgers University

**12:45 Lunch Session—Educational Hooks: Clever Ways to Get Your Message Out**—Hear of some innovative and successful methods for engaging the public's interest while raising awareness of invasive plants.

concurrent sessions 11 & 12 • 1:45–2:45 p.m.

\* **11. Invasive Exotic Plant Management Tutorial for Natural Land Managers**—Lisa Smith, Consulting Ecologist and Principal Investigator, Mid-Atlantic Exotic Pest Plant Council

**12. Invasives Red Alert: Silently Stealing New Jersey's Natural Heritage—A Holistic Approach to Managing their Spread and Funding Discrete Habitat Restorations**—Marc Matsil, Senior Policy Advisor, State of New Jersey, DEP

**2:45 p.m. Break and Resource Area**

\* **3:00 p.m. Invasive Plant Atlas of New England (IPANE)**—Dr. Leslie J. Mehrhoff, Project Advisor, University of Connecticut, Department of Ecology and Evolutionary Biology

**4:00 p.m. Adjourn**

## registration form

Invasive Plants: Perspectives, Prescriptions and Partnerships  
August 16 & 17, 2005

*Downloadable registration forms available at [www.morrisarboretum.org](http://www.morrisarboretum.org)*

Please list every registrant's name  
Name(s), Title and Organization

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Address

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Phone

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Fee: \$175 (For two days) \$95 (For one day)  
Mark One:  Tuesday  Wednesday  both days  
Fee includes one-year membership in MA-EPPC.

Yes, I would like to present a possible problem plant at the  
Lunch Session on August 17.

Please make checks payable to: Morris Arboretum  
Mail to: Morris Arboretum - Education Department  
100 Northwestern Avenue  
Philadelphia, PA 19118  
Or fax to: 215.247.7862

Mastercard  Visa Expiration Date \_\_\_\_\_

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Phone-in registrations are accepted only when a credit card is used. Call the Morris Arboretum Education Department 215. 247. 5777, ext. 156 or 125 with questions or to sign up.

Maps and accommodation information will be sent with confirmation. Cancellations received by July 27 will be fully refunded less a \$25 processing fee.

Sessions with \* offer credit from the Pennsylvania Department of Agriculture toward pesticide applicators' certification. Categories 05, 06, 07, 10, 14, 18, and 23.

Conference approved for PA Certified Horticulturists (PCH) and Certified Landscape Technician (CLT) continuing credit requirements.

**CEUs available for PA & NJ landscape architects.**

If you are a person with a disability and require an accommodation to participate in this conference, please contact Jan McFarlan at 215-247-5777 x156 Monday through Friday to discuss the accommodation. For people who use TTY, please call PA Relay at 1-800-654-5984.