



**Tuesday Keynote Speaker
Rick Lewandowski**



**Tuesday & Wednesday
February
21 & 22, 2012**

**Wednesday Keynote Speaker
Dave Tylka**

Presented by



**UNIVERSITY OF ILLINOIS
EXTENSION**

Partnerships:

- American Society of Landscape Architects - St. Louis
- Hort. Co-Op of Metro St. Louis
- Illinois Arborist Association
- Illinois Park & Recreation Association
- Illinois Professional Lawn Care Assoc.
- Southern IL Golf Superintendents Assoc.
- Southern Illinois University - Carbondale



**GATEWAY
CENTER**
One Gateway Drive
Collinsville, IL

8:00 - 9:00 A.M. Registration **Trade Show Open 8:30 A.M. to 4:30 P.M.**

9:00 - 10:30 A.M. Keynote
Celebrating the Allure of Garden Layers in Space and Time
Rick Lewandowski, Director, Mt. Cuba Center Arboretum, Newark, Delaware

10:30 - 11:00 A.M. Break **Visit the Trade Show**

 ARBORIST	 PERENNIALS/ANNUALS	 PARKS & RECREATION	 SPORTS TURF
11:00 A.M. - 12:00 P.M.	11:15 A.M. - 12:15 P.M.	11:30 A.M. - 12:30 P.M.	11:30 A.M. - 12:30 P.M.
A. Borers and Their Control Phil Nixon , Entomologist, University of Illinois	B. Lessons from Nature: Tapping the Adaptability of Native Plants for the Garden Rick Lewandowski , Director, Mt. Cuba Center Arboretum	C. Factors Affecting Plant Root Growth Chris Starbuck , Woody Plant Specialist University of Missouri	D. Overseeding or Weed Control? Can We Do Both? Zac Reicher , Professor, Turf Science University of Nebraska

Lunch Break Please utilize your assigned lunch time to reduce lines.

1:30 - 2:30 P.M.	1:30 - 2:30 P.M.	1:30 - 2:30 P.M.	1:30 - 2:30 P.M.
E. Common Abiotic Stresses on Trees and Woody Plants Bill Bolt , ISA Certified Arborist	F. Diseases of Perennials and Some Annuals in the Garden Jim Schuster , University of Illinois - Retired	G. Beautifying Public Spaces with Flowers James Schmidt , Horticulture Specialist University of Illinois	H. Are Your Spreaders Calibrated? Really??? Zac Reicher , Professor, Turf Science University of Nebraska

2:30 - 3:00 P.M. Break **Visit the Trade Show**

3:00 - 4:00 P.M.	3:00 - 4:00 P.M.	3:00 - 4:00 P.M.	3:00 - 4:00 P.M.
I. Tree Diseases Jim Schuster , University of Illinois - Retired Horticulture & Plant Pathology Consultant	J. Break the "Eye Candy" Habit with Native Perennials Dave Tylka , St. Louis Community College - Meramec	K. Selecting & Using Ornamental Grasses in a Park Setting Tom Voigt , Turfgrass Specialist, University of Illinois	L. Aquatic Plant Management of Lakes and Ponds Fred Cronin , District Fish Biologist IL Dept. of Natural Resources

Class descriptions follow.

8:00 - 9:00 A.M. Registration

Trade Show Open **8:30 A.M. to 1:30 P.M.**

9:00 - 10:30 A.M. Keynote

Environmentally Functional Native Trees & Shrubs

Dave Tylka, Professor of Biology, St. Louis Community College-Meramec

10:30 - 11:00 A.M. Break

Visit the Trade Show

LANDSCAPING 	GOLF 	MISCELLANEOUS	RETAIL MERCHANDIZING & MARKETING
11:00 A.M. - 12:00 P.M.	11:15 A.M. - 12:15 P.M.	11:30 A.M. - 12:30 P.M.	11:30 A.M. - 12:30 P.M.
A. <i>Timeless and Expressive Landscape Design</i> Kaizad Irani , Horticulture & Landscape Design, Parkland College	B. <i>New and Current Management Programs for Poa Annua on Bentgrass Putting Greens</i> Fred Yelverton , Prof. Of Crop Science, North Carolina State University	C. <i>A Look to the Future: From New Perennial Releases to Invading Insect Pests</i> Elizabeth Wahle , Extension Educator, Horticulture, U of I Extension	D. <i>Retail, Merchandizing and Marketing: Events that Drive Retail Sales</i> Angie Eckert , Vice President Eckerts, Inc.

Lunch Break Please utilize your assigned lunch time to reduce lines. Last chance to visit the trade show.

1:30 - 2:30 P.M.	1:30 - 2:30 P.M.	1:30 - 2:30 P.M.	1:30 - 2:30 P.M.
E. <i>Flowering Trees to Liven Up Your Landscape</i> Gary Kling , University of Illinois - Retired	F. <i>Weed Management in Native and Natural Areas of the Golf Course</i> Fred Yelverton , Prof. Of Crop Science, North Carolina St. Univ.	G. <i>Tree Diseases Handled by the U of I Plant Clinic in 2011</i> Stephanie Porter , Visiting Plant Diagnostic Outreach Specialist, University of Illinois	H. <i>Food Safety Modernization Act Update</i> John Pike , Extension Educator, University of Illinois Extension

2:30 - 2:45 P.M. Break

2:45 - 3:45 P.M.	2:45 - 3:45 P.M.	2:45 - 3:45 P.M.	2:45 - 3:45 P.M.
I. <i>Fertilization of Trees and Shrubs in the Landscape</i> David Williams , Woody Plant Specialist, University of Illinois	J. <i>Broadleaf Weed Control in Turf- What Now?</i> Bruce Branham , Turf Specialist, University of Illinois	K. <i>Establishing Grass on Damaged Construction Sites</i> Rick Macho , Resource Conservationist Madison Co Soil & Water Conservation District	L. <i>Bulbs - Another Perennial Option for the Landscape</i> Jason Delaney , North Garden Supervisor, Bulb Collection Specialist Missouri Botanical Gardens

Class descriptions follow.

**University of Illinois Extension
Madison-Monroe-St. Clair Extension Unit
900 Hillsboro Avenue, P. O. Box 427
Edwardsville, IL 62025**

Conference Hotel

Drury Inn, I55-70 & IL 157 618-345-7700

\$70 Single - (Includes free hot breakfast, evening snacks & beverages, free internet access and free long distance) Group rate effective until February 10, 2012.

When registering indicate Gateway Green Industry Conference

<http://www.druryhotels.com/Reservations.aspx?groupno=2125696>

Group No. 2125696 618-345-7700

**A SIGMA-sponsored silent auction will take place
during the Gateway Green Industry Conference**

University of Illinois offers equal opportunities in programs and employment.

**If you need a reasonable accommodation to attend this event or dietary
substitutions please contact 618-650-7050 prior to 2/10/12.**



Conference Registration

Registration and fee is due by February 10, 2012

Gateway Green Industry Conference

February 21 & 22, 2012

On-line registration: web.extension.illinois.edu/mms

Name _____ Firm/Organization _____

Telephone (Day) _____ FAX number _____ E-mail _____

(A registration confirmation will be sent to all persons providing an e-mail address)

Business Address _____ City _____ State _____ Zip _____

_____ High School Students must register

_____ College student

Full-time College Students must include a photocopy of currently dated, student I.D. card and copy of full-time schedule with registration.

_____ U of I Extension Master Gardener

Illinois Certified Master Gardeners must include copy of current I.D. card or letter of active status from County Director.

Breakout Session Preferences (please check) You may choose classes from any track

(Continuing Education Credit Information on back)

Concurrent Session I – Tuesday, February 21

- | | |
|---|-------------------------|
| <input type="checkbox"/> a. Borers and Their Control | 11:00 A.M. – 12:00 P.M. |
| <input type="checkbox"/> b. Lessons from Nature: Tapping the Adaptability of Native Plants for the Garden | 11:15 A.M. – 12:15 P.M. |
| <input type="checkbox"/> c. Factors Affecting Plant Root Growth | 11:30 A.M. – 12:30 P.M. |
| <input type="checkbox"/> d. Overseeding or Weed Control? Can We Do Both? | 11:30 A.M. – 12:30 P.M. |

Concurrent Session II – Tuesday, February 21

- | | |
|---|------------------------------|
| <input type="checkbox"/> e. Common Abiotic Stresses on Trees and Woody Plants | 1:30 – 2:30 P.M. all classes |
| <input type="checkbox"/> f. Diseases of Perennials and Some Annuals in the Garden | |
| <input type="checkbox"/> g. Beautifying Public Spaces with Flowers | |
| <input type="checkbox"/> h. Are Your Spreaders Calibrated? Really??? | |

Concurrent Session III – Tuesday, February 21

- | | |
|--|------------------------------|
| <input type="checkbox"/> i. Tree Diseases | 3:00 - 4:00 P.M. all classes |
| <input type="checkbox"/> j. Break the “Eye Candy” Habit with Native Perennials | |
| <input type="checkbox"/> k. Selecting & Using Ornamental Grasses in a Park Setting | |
| <input type="checkbox"/> l. Aquatic Plant Management of Lakes and Ponds | |

Concurrent Session IV – Wednesday, February 22

- | | |
|---|-------------------------|
| <input type="checkbox"/> a. Timeless and Expressive Landscape Design | 11:00 A.M. – 12:00 P.M. |
| <input type="checkbox"/> b. New & Current Management Programs for Poa Annua on Bentgrass Putting Greens | 11:15 A.M. – 12:15 P.M. |
| <input type="checkbox"/> c. A Look to the Future: From New Perennial Releases to Invading Insect Pests | 11:30 A.M. – 12:30 P.M. |
| <input type="checkbox"/> d. Retail, Merchandizing and Marketing: Events that Drive Retail Sales | 11:30 A.M. – 12:30 P.M. |

Concurrent Session V – Wednesday, February 22

- | | |
|--|------------------------------|
| <input type="checkbox"/> e. Flowering Trees to Liven Up Your Landscape | 1:30 – 2:30 P.M. all classes |
| <input type="checkbox"/> f. Weed Management in Native and Natural Areas of the Golf Course | |
| <input type="checkbox"/> g. Tree Diseases Handled by the U of I Plant Clinic in 2011 | |
| <input type="checkbox"/> h. Food Safety Modernization Act Update | |

Concurrent Session VI – Wednesday, February 22

- | | |
|--|------------------------------|
| <input type="checkbox"/> i. Fertilization of Trees and Shrubs in the Landscape | 2:45 - 3:45 P.M. all classes |
| <input type="checkbox"/> j. Broadleaf Weed Control in Turf - What Now? | |
| <input type="checkbox"/> k. Establishing Grass on Damaged Construction Sites | |
| <input type="checkbox"/> l. Bulbs - Another Perennial Option for the Landscape | |

CONTINUING EDUCATION CREDIT

CEU'S HAVE BEEN APPROVED THROUGH THE FOLLOWING PROFESSIONAL ASSOCIATIONS

1. Certified Golf Course Superintendent - .45 Education Points per day (must submit approval code)
2. Illinois Green Industry Association - CEU's applied for
3. International Society of Arboriculture - Tuesday: A, C, E, I, Wednesday: Keynote Session, C, E, G, I
4. Illinois Landscape Contractors Association - CEU's applied for
5. Illinois Park & Recreation Association - Entire 2-day program approved for 0.9 CEU's (must attend entire program)

General Admission

Advance registration fee includes lunch, breaks, proceedings, trade show and education program.

One Day — \$80
Two Days — \$100

Certified Master Gardeners and current

full-time college and high school students: One day \$35
Two days \$50
(with a focus on horticulture)

*Full-time College Students must include a photocopy of currently dated, student I.D. card with registration. College students must show current full-time schedule.

Certified Master Gardeners must include copy of current I.D. card or letter of active status from County Director.

Registration due by February 10, 2012.
Registration is not complete without payment.

On-line registration available at:
<http://web.extension.illinois.edu/mms>

Walk in registration (and registrations received after 2/11/11) (Includes students & Certified Master Gardeners)

One day — \$110
Two days — \$130

(Walk-in registration rates **DO NOT** include lunch and may not include proceedings.)

The trade show will be open from 8:30 A.M. - 4:30 P.M. on Tuesday, February 21, and 8:30 A.M. - 1:30 P.M. on Wednesday, February 22.

Visitors may attend the trade show only at no charge. You must register at registration desk before entering.

Questions:

University of Illinois Extension
Madison-Monroe-St. Clair Extension Unit
P.O. Box 427, 900 Hillsboro Ave.
Edwardsville, IL 62025
(618) 650-7050
e-mail: pstanton@illinois.edu

Registration questions may be directed to: 618-650-7050, or e-mail: pstanton@illinois.edu

To register by check send registration form and **check payable to: *University of Illinois Extension***
to:

University of Illinois Extension
Madison-Monroe-St. Clair Unit
P.O. Box 427, 900 Hillsboro Ave.
Edwardsville, IL 62025

Fax: 618-655-9951 (Forms may be faxed for credit card registrations)
(Please call after faxing to verify receipt.)

To register by credit or debit card: <http://web.extension.illinois.edu/mms> or send completed registration forms for each person with the following information (can send multiple registration forms to charge to one credit card):

Name on Card _____ Card Type: Mastercard Visa
 Discover American Express

Billing Address _____ City _____ State _____ ZipCode _____

Card # _____ Date of Expiration _____

3 digit card verification number on back of card: _____

E-mail: _____ (for credit card charge receipt)

2012 Gateway Green Industry Conference

Class Descriptions
Tuesday, February 21

KEYNOTE: Celebrating the Allure of Garden Layers in Space and Time - Rick Lewandowski

The allure of a garden is very personal. Its success lies in its capacity to please and inspire us. Join Rick Lewandowski to discover the magic of native plant gardens designed with complex layers to provide architectural beauty and evolve with the seasons.

A. Borers and Their Control - Phil Nixon

Insect borers such as emerald ash borer and Asian long-horned beetle are threats to healthy trees, while bronze birch borer, Carolina pine sawyer, lilac/ash borer, and bark beetles attack trees under stress. There are many other borers such as redheaded ash borer, ivorymarked beetle, and ash and privet borer that attack dead and dying trees and parts of trees. This session will address several of those borers and offer reasons for their tree attacks. Control options will also be covered.

B. Lessons from Nature: Tapping the Adaptability of Native Plants for the Garden -

Rick Lewandowski

Gardening experiences frequently jade our opinions about plant adaptability. In nature, plants frequently encounter more rigorous and varied conditions. Rick will discuss some of the lessons that natural habitats can teach us in order to broaden our uses of plants in the garden.

C. Factors Affecting Plant Root Growth -

Chris Starbuck

Roots of trees and shrubs are opportunistic and will grow wherever conditions are favorable. This session will discuss some of the many factors influencing root growth and how to manage the root environment to favor it.

D. Overseeding or Weed Control? Can We Do Both? - Zac Reicher

Overseeding is often required after a tough summer like 2011 or during/after heavy use on sports fields. If the turf is thin enough to require overseeding, it is also thin enough to allow weeds to emerge. Thus herbicides are often needed to maximize success of overseeding, but herbicides will often damage the desired seedlings. This talk will cover the most effective cultural and weed control options to maximize overseeding success.

E. Common Abiotic Stresses on Trees and Woody Plants - Bill Bolt

We will discuss specific Abiotic Disorders associated with environmental conditions, nutrient deficiencies, chemical injury and mechanical damage along with various other stresses people inflict on plants. We will also cover tree selections for wet and dry sites and finish with a few of my favorite trees.

F. Diseases of Perennials and Some Annuals in the Garden - Jim Schuster

Jim will review several major diseases that often occur on some commonly grown perennials and several annuals. When possible, cultural and on-chemical controls will be provided.

G. Beautifying Public Spaces with Flowers - James Schmidt

Using large swaths of annual flowers and ornamental grasses is a simple way to bring appeal to a public space whether it is a park, office complex, or other outdoor areas. Flowers provide not only color, but can be used to project a style and image to the property. This session will discuss ways to create topnotch designs and look at which flowers to use for color and performance in a wide variety of landscape settings.

H. Are Your Spreaders Calibrated? Really??? - Zac Reicher

Rotary spreaders are simple and efficient, regardless if they are ride-ons or walk-behinds. However, distribution of fertilizers or pesticides is surprisingly inconsistent from these spreaders. This is a discussion explaining rotary spreaders and how to get the most uniform coverage.

I. Tree Diseases - Jim Schuster

Jim will review some tree diseases - both infectious and non-infectious - that occurred in various areas of Illinois in 2011. Not all of the diseases started in 2011. Some diseases started in previous years but either the plants only started showing symptoms in 2011 or the symptoms were finally severe enough to be recognized in 2011.

J. Break the "Eye Candy" Habit with Native Perennials - Dave Tylka

Are you addicted to day lilies, tulips, hostas and begonias? These exotic "eye candy" species have been bred primarily to produce big, long-lasting, showy flowers or pest-free, intact leaves. Planting these exotic species has become an over-used pattern in the green industry and contributes little to natural biodiversity. But most importantly, these exotic species lack an environmental niche in the Midwest and perform little to no function in the natural community. Breach the "eye candy" habit with native perennials, such as Missouri primrose, rose verbena, purple coneflower and blazing stars. Once established, these native plants furnish food and cover for many native species of bees, butterflies, songbirds and hummingbirds. Native wildflowers not only benefit the environment, but many are also quite beautiful. A pictorial discussion of some of the more environmentally beneficial and attractive native perennials will be highlighted in the presentation.

K. Selecting and Using Ornamental Grasses in a Park Setting- Tom Voigt

In this class Dr. Tom Voigt will describe ways in which ornamental grasses can enhance park landscapes without dramatically increasing maintenance. He will also identify grasses that work in these settings and grasses that should be avoided.

L. Aquatic Plant Management of Lakes and Ponds - Fred Cronin

This class will be a discussion of aquatic algae and plant management in lakes and ponds. Covering factors that lead to excessive aquatic plant growth; classification and identification of aquatic plants; and aquatic plant management options, including physical, biological, and chemical treatment options.

2012 Gateway Green Industry Conference

Class Descriptions
Wednesday, February 22

KEYNOTE: Environmentally Functional Native Trees & Shrubs - *Dave Tylka*

Not all plants are created equally. Exotic trees like Callery/Bradford pears and exotic shrubs such as privets require substantial labor and resources to maintain, escape into the wild to desecrate natural ecosystems, and most importantly, provide little beneficial function in the natural environment. Native trees and shrubs that have evolved in the Midwest are adapted to Midwest rainfall and temperature patterns and generally do not require any special maintenance needs after they are established. Because of this evolution, these native woody species have produced unique interrelationships with many native species of wildlife, such as songbirds and butterflies. A pictorial discussion of some of the more environmentally beneficial native tree and shrub species will be highlighted in this presentation.

A. Timeless and Expressive Landscape Design - *Kaizad Irani*

Explore an expressive and simple process that blends specific design techniques with practical advice on how to achieve the sophisticated look of a professional landscape on any size and type of property. Learn how to apply this unique master plan technique, that gives homeowners and designers a simple and systematic means of planning and creating their own private paradise-their garden.

B. New and Current Management Programs for Poa Annua on Bentgrass Putting Greens – *Fred Yelverton*

Several experimental products are currently being tested for bentgrass tolerance and Poa annua efficacy. Results of these tests will be presented and compared to current technology. In addition, the effects of bentgrass management strategies on Poa annua incidence will be discussed.

C. A Look to the Future: From New Perennial Releases to Invading Insect Pests - *Elizabeth Wahle*

There is a great deal of breeding and new perennials coming down the pipeline. Be the first to see some of the newest selections and where you can source them for trialing. With the good, comes the bad-also looking to the future will be an update on the newest exotic insect pests moving towards the area.

D. Retail, Merchandizing and Marketing: Events that Drive Retail Sales - *Angie Eckert*

Growing on-site sales begins with getting people in the door. Join Angie as she shares some successes and failures of getting customers to Eckert's, a seventh-generation business, over the years. Angie will discuss product-driven events and experience-centered events as well as tried and true marketing strategies.

E. Flowering Trees to Liven Up Your Landscape - *Gary Kling*

This presentation will highlight selection of the best flowering trees for your landscape. Emphasis will be on selecting high quality trees that offer multiple seasons of interest with a minimum of cultural, insect and disease problems. Both native and introduced species will be included across a range of sizes, habits, colors and textures.

F. Weed Management in Native and Natural Areas of the Golf Course - *Fred Yelverton*

Weed management in native areas comprise a large part of weed management plans for golf courses. Even though many of these areas may be out-of-play, they are nonetheless important to the overall aesthetics of the golf course. Weed control in these areas is also an important sanitation issue to keep weed seeds from invading areas of the golf course that are in play. This presentation will address effective and environmentally safe weed control programs for native areas on the golf course.

G. Tree Diseases Handled by the U of I Plant Clinic in 2011 - *Stephanie Porter*

A brief overview of the Plant Clinic and clinic staff will begin this educational session covering topics such as stress, diseases and mites seen on spruce. She will also touch on the effects of the DuPont turf herbicide called Imprelis on trees such as white pine and spruce. Further discussion will highlight the woody disease, insect and stress issues that were diagnosed at the U of I Plant Clinic in 2011.

H. Food Safety Modernization Act Update - *John Pike*

In January, 2011, the Food Safety Modernization Act was signed into law. The Act imposes a number of mandates on individuals and entities that grow, process, pack, transport, and distribute food products. It broadens the FDA's authority to regulate farms and food facilities and would establish new requirements related to worker training, food safety planning, tracability, etc. and gives FDA the authority to impose mandatory recalls. This session will provide an overview of the food safety act and how it impacts growers in the region.

I. Fertilization of Trees and Shrubs in the Landscape - *David Williams*

David will cover a variety of techniques and methods that you can use to fertilize woody plants - for both trees and shrubs in the landscape.

J. Broadleaf Weed Control in Turf—What Now? - *Bruce Branham*

The disaster with Imprelis has left the landscape management business shaken. We will review current broadleaf herbicide options, new chemistries, and new formulations and discuss the factors that affect the control of broadleaf weeds in managed turf.

K. Establishing Grass on Damaged Construction Sites - *Rick Macho*

Getting adequate vegetation established on construction sites is the most difficult of all erosion and sediment control practices. Compacted soils, low organic matter, low fertility, lack of knowledge and an overall low priority as to getting grass established has caused more IEPA stormwater permit violations in Madison County than any other issue. We will be discussing most of the conditions that need to be addressed to insure a good stand of grass on disturbed sites.

L. Bulbs, Another Perennial Option for the Landscape - *Jason Delaney*

Jason will demonstrate how to create a spectacular bulb display by layering plants of coordinating colors, amending the soil and timing everything just right.