

WEDNESDAY, MARCH 9



Illinois Extension
UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

2022

Gateway
**GREEN
INDUSTRY
Conference**

*Where Professionals
Come To GROW*

Featuring:

- **Six Breakout Sessions**
- **Approved CEU's for Professional Development**



**GATEWAY
CENTER**

One Gateway Drive

Collinsville, IL

Educational Program

8:00 a.m. - 4:00 p.m.

Session I - 8:00 - 9:00 a.m.

- A. Emerald Ash Borer Impacts and the Future of Ash in the Region -
*Chris Evans***
- B. Urban Tree Diversity - *Emily Swihart***

Session II - 9:10 - 10:10 a.m.

- C. Expecting the Unexpected: A Look at Invasive Pest Threats to
Illinois - *Kelly Estes***
- D. Bringing Ecology to the Forefront of the Built Environment -
*Danny Moncheski and Mark Grueber***
- E. Understanding Herbicide Damage to Trees - *Chris Evans***

Session III - 10:20 - 11:20 a.m.

- F. Starting Fires: Building Prescribed Fire Associations and the
Culture to Support Them in Illinois -
*Brent Masiero and Jesse Reichman***
- G. Training Trees: Planting, Pruning & Care of Young Trees for
Long-Term Health - *Emily Swihart***
- H. Make Every Drop Count: Xeriscaping- *Chris Enroth***

Lunch on Your Own - 11:20 a.m. - 12:30 p.m.

Session IV - 12:30 - 1:30 p.m.

- I. Incorporating Pollinators in Public Spaces** - *Ken Johnson*
- J. Citizen Science as a Tool for Early Detection of Potential Pest Threats** - *Tricia Bethke*
- K. Getting Your Feet Wet with Rain Gardens** - *Chris Enroth*

Session V - 1:40 - 2:40 p.m.

- L. Send in the Drones: Tips to Launching a Small UAV Program** - *Kevin Rohling*
- M. Espalier: Form Meets Function** - *Ben Chu*
- N. Are Natives Too Much of a Good Thing?** - *Scott Woodbury*

Session VI - 2:50 - 3:50 p.m.

- O. Diseases and Pests of Ornamental Plants** - *Diane Plewa*
- P. Adaptable Conifers for the Illinois Landscape** - *Kelly Allsup*

CEU sheets available immediately following each session.

CONFERENCE SPEAKERS

Kelly Allsup

Horticulture Educator,
University of Illinois Extension

Ben Chu

Horticulture Supervisor,
Missouri Botanical Garden

Tricia Bethke

Forest Pest Outreach Coordinator,
Morton Arboretum

Chris Enroth

Horticulture Educator,
University of Illinois Extension

Kelly Estes

Agricultural Pest Survey Coordinator,
University of Illinois

Chris Evans

Forestry Extension and Research
Specialist, University of Illinois Extension

Mark Grueber

Community Forester,
Missouri Department of Conservation

Ken Johnson

Horticulture Educator,
University of Illinois Extension

Brent Masiero

Director,
Great Rivers Prescribed Burn Association

Danny Moncheski

Community Forester,
Missouri Department of Conservation

Diane Plewa

Plant Diagnostic Outreach Specialist,
U of I Plant Clinic

Jesse Riechman

Coordinator,
Southern Illinois Prescribed Burn Association

Kevin Rohling

Forestry Research Technician,
University of Illinois Extension

Emily Swihart

Horticulture Educator,
University of Illinois Extension

Scott Woodbury

Curator, Whitmire Wildflower Garden,
Shaw Nature Reserve

University of Illinois Extension
Madison-Monroe-St. Clair Extension Unit
1606 Eastport Plaza Drive, Suite 100
Collinsville, IL 62234

Non-Profit Organization

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Collinsville, IL 62234

Permit #18

RETURN SERVICE REQUESTED

SEE WHAT'S NEW FOR 2022

Gateway Green Industry Conference:

- *Fact Based Education for
Green Industry Professionals**
- *CEU's available from four
Professional Agencies**

University of Illinois offers equal opportunities in programs and employment.
If you need a reasonable accommodation to attend this event, please contact
618-344-4230 prior to 2/25/22.



2022 Gateway Green Industry Conference

Class Descriptions

SESSION I - 8:00 - 9:00 AM

A. Emerald Ash Borer Impacts and the Future of Ash in the Region – *Chris Evans*

Emerald ash borer is well established in the region and tree mortality is increasing exponentially. This presentation will cover what to expect moving forward and what is going to happen to ash tree populations in the long run .

B. Urban Tree Diversity - *Emily Swihart*

Trees are major components of our landscape on both a physical scale and a temporal scale. As we seek to implement best practices planting and managing our urban forest, we must begin with the most basic of questions which is what to plant. We will delve into the benefits and challenges of planting a diverse urban forest and explore a variety of species that can help add variety to our landscape.

SESSION II - 9:10 - 10:10 AM

C. Expecting the Unexpected: A Look at Invasive Pest Threats to Illinois - *Kelly Estes*

Invasive insects have the potential to impact everyone living in Illinois and those that visit. They are a continual threat to Illinois' agriculture, forestry, horticulture and natural resources. Early detection is key to managing invasive species. Learn more about three of our most "unwanted" invasives (spotted lanternfly, Asian longhorned beetle and boxtree moth)- their potential impact to Illinois, as well as information on their identification, biology, and more.

D. Bringing Ecology to the Forefront of the Built Environment - *Danny Moncheski & Mark Grueber*

A primer on how ecological principals applied to an urban/suburban project can increase the resiliency of the planting while minimizing inputs and promoting wildlife. Attendees will learn what an ecological site description is, how it can be used for planning purposes, and the cost savings that can be found in doing so.

E. Understanding Herbicide Damage to Trees - *Chris Evans*

Herbicide use is a crucial component of agriculture and natural resource management, but off-target impacts are possible. Recent years have seen an increase in herbicide damage to trees. This presentation will review the symptoms consistent with herbicide exposure, other causes that result in similar-looking damage, and the difficulties with field diagnoses of herbicide damage. Lastly, the presentation will discuss recommendations if damage is suspected.

SESSION III - 10:20 - 11:20 AM

F. Starting Fires: Building Prescribed Fire Associations and the Culture to Support Them in Illinois

Brent Masiero & Jesse Riechman

The use of prescribed fire to improve habitat is an ancient method, but numerous obstacles stand in the way for the private landowners who would benefit. Brent Masiero, coordinator of the Great Rivers Prescribed Burn Association, and Jesse Riechman, coordinator of the Southern Illinois Prescribed Burn Association, discuss the path they navigated to overcome these obstacles and gain both community and agency support."

G. Training Trees: Planting, Pruning & Care of Young Trees for Long-Term Health - *Emily Swihart*

Planting trees is an investment in time, energy and resources so why not optimize your ROI? Proper planting, pruning and care of trees while young can have a monumental impact on the long-term health and structural soundness. Using real world examples, we will explore how strategic and consistent tree care can minimize future maintenance challenges and maximize benefits.

H. Make Every Drop Count: Xeriscaping - *Chris Enroth*

In parts of the country, landscape irrigation is coming under more scrutiny as more land is developed and water resources dwindle. Illinois is not immune to these irrigation challenges as large portions of the state have seen disaster level drought in recent years including 2021. How can we create landscapes that demand less water? Learn the fundamental xeriscaping principles that can save a yard during times of drought. Whether a client desires a minimalist landscape approach or craves a lush garden; Horticulture Extension Educator, Chris Enroth will detail design strategies and proper plant selection to minimize your water usage and make every drop count.

LUNCH ON YOUR OWN
11:20 a.m. - 12:30 p.m.

2022 Gateway Green Industry Conference

Class Descriptions

SESSION IV - 12:30 - 1:30 PM

I. Incorporating Pollinators in Public Spaces – *Ken Johnson*

The general public has become increasingly interested in pollinators over the last several years. Due to this awareness, pollinator-friendly landscaping is becoming increasingly popular. This presentation will discuss what types of flowers different types of insects are attracted to, what plants make good pollinator plants, as well as resources for creating pollinator gardens.

J. Citizen Science as a Tool for Early Detection of Potential Pest Threats - *Tricia Bethke*

Learn how to engage citizen scientists to track the distribution of tree of heaven, one of spotted lanternfly's preferred tree hosts, by using the Early Detection Distribution Mapping System, EDDMapS, and EDDMapS Pro (phone application). By mapping and monitoring tree of heaven, volunteers will increase the likelihood of an early detection and a rapid response for a potentially serious pest threat, and help protect the health of our communities.

K. Getting Your Feet Wet with Rain Gardens - *Chris Enroth*

As homeowners and communities invest more in green infrastructure, rain gardens are emerging as a useful tool for handling stormwater runoff. University of Illinois Extension horticulture educator, Chris Enroth, will introduce participants to the concepts and construction techniques of a successful rain garden. Chris will also discuss plant selection and share information about a new partnership between Purdue and University of Illinois called the Rainscaping program.

SESSION V - 1:40 - 2:40 PM

L. Send in the Drones: Tips for Launching a Small UAV Program - *Kevin Rohling*

A small drone program yields multiple benefits, from invasive species planning to detecting canopy problems and monitoring pests. Many factors should be considered when establishing a drone program ranging from hardware choices, to FAA certification, and numerous options for imagery capture, viewing and analysis. Join this program to learn the basics and some tips for successful integration of UAVs into your work.

SESSION V - 1:40 - 2:40 PM Cont'd

M. Espalier: Form Meets Function - *Ben Chu*

Learn about the history of this ancient pruning technique and how it has evolved from a utilitarian practice to an artistic landscape element.

N. Are Natives Too Much of a Good Thing? - *Scott Woodbury*

Whether you choose a native straight species or one of its cultivars depends on your landscape goals and situation. Rather than a focus on the pros and cons of cultivars in general, today's discussion will review the origins of various cultivars in an attempt to better understand their value to gardeners and wildlife.

SESSION VI - 2:50 - 3:50 PM

O. Diseases and Pests of Ornamental Plants - *Diane Plewa*

Plant Clinic diagnostician, Diane Plewa, discusses common disease and insect pests found on herbaceous ornamental plants. Topics include hosts, symptoms, and management of these issues, along with a summary of woody and herbaceous samples received by the Plant Clinic in 2021.

P. Adaptable Conifers for the Illinois Landscape - *Kelly Allsup*

In Illinois, Blue Spruce and White Pines struggle with our hot humid summers, drought, and soil issues like texture and pH. Their constant stressed conditions then make them more susceptible to disease and insect infestations causing them to be short-lived. There are other conifers species that have a better chance of success in our Illinois landscape. Kelly will discuss care and characteristics of alternative conifers to Spruce and Pine.

Conference Registration

Registration and fee is due by March 1, 2022

Gateway Green Industry Conference

Wednesday, March 9, 2022

On-line registration: <https://go.illinois.edu/2022GGIC>

Please complete a separate registration form for each person. (Classes must be selected)

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 _____

_____ Active Master Gardener or Master Naturalist

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

Missouri Botanical Garden will be contacted directly to verify Missouri Master Gardeners.

Breakout Session Preferences

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CONTINUING EDUCATION CREDIT

CEU'S HAVE BEEN APPROVED THROUGH THE FOLLOWING PROFESSIONAL ASSOCIATIONS

1. International Society of Arboriculture - 6 hours for entire day. All classes have been approved for CEU's.
2. Illinois Landscape Contractors Association - 1 CEU per hour for Landscape Industry Certified Technicians
3. Illinois Park & Recreation Association - 0.10 per session (Total of 0.60 for entire day).
4. Certified Golf Course Superintendent - 0.60 for the entire day.

General Admission: \$80/person

Certified Master Gardeners and Naturalists

Discounted Rate: \$50

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

Registration due by March 1, 2022.

Registration is not complete until payment is received.

Walk in registration (and registrations received after 3/1/22)

Walk in Rate: \$85

Space is limited due to Covid restrictions.

In accordance with State rules and University policy, masks will be required for those in attendance.

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

Questions:

Patty Stanton
University of Illinois Extension
(618) 344-4230
e-mail: pstanton@illinois.edu

A link to the handouts will be e-mailed to you prior to the conference if you supply an e-mail with registration.

University of Illinois offers equal opportunities in programs and employment.

If you need a reasonable accommodation to attend this event, please contact 618-344-4230 prior to 2/25/22.

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

to:

University of Illinois Extension
1606 Eastport Plaza Drive, Suite 100
Collinsville, IL 62234

Fax: 618-344-5602 (Forms may be faxed for credit card registrations)
(Please call 618-344-4230 after faxing to verify receipt.)

To register by credit or debit card: <https://go.illinois.edu/2022GGIC> 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 copy of credit card charge receipt)