

Agenda

Presented by Linda Chalker-Scott, Ph.D.

Native vs. Nonnative Plants: Examining the Science behind the Controversy

Words matter: what do “native” and “nonnative” actually mean?
The decline of native plant species and their associated wildlife
Invasive plant species and their effects on community biodiversity
Basic ecology: how do ecosystems react to the introduction of new species?
Benefits of native plants: perceived and actual
Characteristics that make landscapes and gardens ecologically diverse

Challenges for Native Plants in Managed Gardens and Landscapes

Environmental differences between native and managed sites

- Soils – structure, functionality, and nutrient availability
- Water availability
- Temperature differences
- Light differences
- Pollutants – air, soil, and water

Landscape management practices that hurt native plant survival

- Poor soil management
- Poor planting techniques
- Fertilizer and pesticide misuse/overuse
- Poor plant management

Climate Change and Native Plants in the Northwest

Impacts of climate change on native plant distribution – plant migration

- Temperature extremes
- Rainfall extremes

Response of invasive plants to climate change

Managing Invasive Plants in the Northwestern US

Common invasive species in managed gardens and landscapes
Removing invasive plants while protecting the soil ecosystem

Alternatives to Invasive Plant Species – Native and Introduced

Alternatives to invasive plants

- Trees and shrubs (woody plants)
- Herbaceous perennials and bulbs
- Annuals

Alternatives to the managed, monocultural lawn

Creating a Robust Pollinator Landscape

Site conditions and plant choices
Selecting healthy plants at the nursery
Preparing and managing the soil environment
Proper plant installation and aftercare
Reliable resources on native plants of the Northwest

Northwestern U.S. Native Plant Workshop: Native Plants in Managed Landscapes and Gardens

Live, Interactive Webinar - Wednesday, October 23, 2024

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Discuss the decline of native plant species and associated wildlife, and consider the benefits of incorporating native plants in managed gardens and landscapes.

Avoid landscape management practices that hurt native plants, such as poor soil management, poor planting practices, and fertilizer and pesticide overuse.

Analyze the impacts of climate change on native plant distribution, as well as identify and remove common invasive species while protecting the soil ecosystem.

Explain how the soil environment and site conditions of a landscape can be prepared and managed to create a robust pollinator landscape.



HalfMoon Education Inc.,
Your LIVE Education Leader Presents

Northwestern U.S. Native Plant Workshop: Native Plants in Managed Landscapes and Gardens

Live, Interactive Webinar - Wednesday, October 23, 2024



Examine basic ecology and benefits of native vs. nonnative plants

Learn about challenges for native plants in managed gardens and landscapes

Explore climate change impacts on native plants in the Northwest

Discuss managing invasive plants in the Northwestern US

Study alternatives to invasive plants and alternatives to the managed, monocultural lawn

Learn about creating robust pollinator landscapes

Continuing Education Credits

Professional Engineers

6.0 PDHs

Architects

6.0 HSW CE Hours

6.0 AIA LU | HSW

Landscape Architects

6.0 HSW CE Hours

6.0 LA CES HSW PDHs

Certified Arborists:

6.0 ISA CEUs



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

Webinar Information

Wednesday, October 23, 2024 | 9:00 am - 4:00 pm PDT

Log into Webinar: 8:30 - 9:00 am PDT

First Session: 9:00 - 11:00 am PDT

Break: 11:00 - 11:30 am PDT

Second Session: 11:30 am - 1:30 pm PDT

Break: 1:30 - 2:00 pm PDT

Third Session: 2:00 - 4:00 pm PDT

Tuition

\$339 for individual registration.

\$203 per attendee for group registrations of two or more people registering at the same time for the same program.

That's a savings of 40 percent!

Included with your registration: PDF seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the on-demand package. You may also authorize another person to take your place.

Learn More and Register:

www.halfmoonseminars.org

Customer Service (715) 835-5900 Ext. 1

or scan here



Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Faculty

Linda Chalker-Scott, Ph.D.

Professor and Extension Urban Horticulturist, WSU Puyallup Research and Extension Center
Dr. Chalker-Scott has a Ph.D. degree in Horticulture from Oregon State University and is an ISA certified arborist and an ASCA consulting arborist. She is Washington State University's Extension Urban Horticulturist and a professor in the Department of Horticulture. She conducts research in applied plant and soil sciences, publishing the results in scientific articles and university Extension fact sheets. She is also actively involved in enhancing the scientific literacy of her audiences by teaching them how to assess the credibility of information from print and online sources. Linda also is the award-winning author of five books and was featured in a video series, *The Science of Gardening*, produced by The Great Courses. She also is one of the Garden Professors, a group of academic colleagues who educate and entertain through their blog and Facebook pages. Linda's educational contributions to science-based information have been recognized by such groups as Garden Communicators International, the National Association of County Agricultural Agents, and the International Society for Arboriculture.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects and landscape architects via its registration with the American Institute of Architects Continuing Education System (AIA/CES) and the Landscape Architecture Continuing Education System (LA/CES). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Society of Arboriculture has approved this course for the following CEUs: 6.0 Certified Arborist, 6.0 Municipal Specialist, and 6.0 BCMA Management

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.0 HSW LUs (AIA) 6.0 HSW PDHs (LA CES)

Additional Learning

Designing and Constructing Reinforced Concrete Retaining Walls

- Monday, October 7, 2024 | 12:00 - 3:15 pm PDT

Soil Evaluation and Site Grading

- Monday, October 7, 2024 | 7:00 - 9:00 am PDT

2024 International Building Code: Special Uses and Mixed Uses

- Tuesday, October 8, 2024 | 10:00 am - 2:30 pm PDT

Decoding Site Design and Entitlements

- Tuesday, October 8, 2024 | 8:00 - 10:00 am PDT

Retaining Walls and Lateral Earth Pressure

- Wednesday, October 9, 2024 | 8:00 - 10:00 am PDT

Cut Slope and Fill Slope Design, Construction and Repair

- Thursday, October 10, 2024 | 7:00 am - 2:00 pm PDT

Special Inspections Under Chapter 17

of the International Building Code

- Thursday, October 10, 2024 | 7:00 am - 3:00 pm PDT

Deep Dive into Constructed Stormwater Wetlands

- Friday, October 11, 2024 | 8:00 - 10:00 am PDT

How to Calculate Soil Volumes for Cut and Fill

- Wednesday, October 16, 2024 | 11:30 am - 2:30 pm PDT

Internal Design of MSE Walls and Geosynthetics

- Wednesday, October 16, 2024 | 8:00 - 11:15 am PDT

Planning for EV Charging Infrastructure

for L2 and DC Fast Charge

- Wednesday, October 16, 2024 | 8:00 - 10:00 am PDT

Retaining Wall Selection: How to Know What to Specify

- Wednesday, October 23, 2024 | 8:00 - 10:40 am PDT

Pollination Ecology and Principles

of Pollinator Landscape Design

- Tuesday, October 29, 2024 | 11:00 am - 2:20 pm PDT

Deep Dive into Invasive Landscape Plants

- Wednesday, October 30, 2024 | 10:00 am - 12:00 pm PDT

Unreinforced Slope Stability Analysis

- Wednesday, October 30, 2024 | 8:00 - 10:00 am PDT

Groundwater Chemical Concepts

- Thursday, October 31, 2024 | 10:00 am - 12:00 pm PDT

How to Design a Reinforced Slope

- Wednesday, November 6, 2024 | 8:00 - 10:00 am PST

For more information and other online learning opportunities visit:

www.halfmoonseminars.org