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# THE CASE FOR SUSTAINABLE LANDSCAPES

Wednesday, October 19, 2016 from 7:30 AM to 4:00 PM

Brockey Center, South Seattle College  
6000 16th Ave SW, Seattle, WA 98106-1499

## REGISTRATION

Register online: <http://2016greengardening.eventbrite.com>

**Want to pay by check, invoice, or purchase order?** Register through Eventbrite and select "pay by invoice" for the payment method. No credit card needed!

**Questions?** Call 206-449-1131 for more information.

**Preguntas en Espanol?** 206-449-1179

**Full-day = \$35** (includes morning and afternoon sessions, breakfast, and lunch)

**Full-day, Spanish = \$20** (includes morning and afternoon sessions, breakfast, and lunch)

**Half-day = \$20** (includes either morning session with breakfast OR afternoon session with snack. Does not include lunch)

**Half-day, Spanish Track D only = Free**

## 2016 Green Gardening Workshop for Landscape Professionals



Learn about the **latest** in case studies, research, and technologies in **sustainable landscaping**.

Register **early** – space is limited.  
Deadline is **Wednesday, October 5th**.



Join us for another year of great programming!

## Workshop topics include:

- How sustainable landscape management has paid off for Montana State University and Trilogy at Redmond Ridge
- Noxious weeds, the Roundup controversy, and IPM strategies for weed management
- The business case for irrigation technologies
- How green spaces influence physical and mental health
- The latest permeable pavement research from Washington State University

**¡NUEVO!**



Traducción simultánea durante las sesiones de la mañana. Aprenda los últimos casos de estudio, investigación y tecnologías en jardinería sostenible.

**NEW!** Simultaneous Spanish translation during the morning sessions. Learn about the latest case studies, research, and technologies in sustainable landscaping.

Continuing education credits requested for CPH, WALP, ISA, ecoPRO, Master Gardener, APLD, and LA PDHs. WSDA Pesticide Recertification Credits also requested.

Se puede encontrar este folleto y un folleto en español:  
This brochure, and a brochure in Spanish, can be found at:

<http://www.seattle.gov/util/ForBusinesses/Landscapes/TrainingCertification/index.htm>

## ¡NUEVO OPCIONES EN ESPAÑOL! / NEW OPTIONS IN SPANISH!

**OCTUBRE 19 SESIÓN DE LA MAÑANA**  
¡Ahora con traducciones simultáneas en Español! Usted y sus empleados tienen ahora la opción de escuchar en la mañana nuestros grandes conferenciantes en Español.

**OCTOBER 19 MORNING SESSION**  
Now with simultaneous Spanish translation! You and your employees now have the option to hear our great morning speakers in Spanish.

**OCTUBRE 19 SESIÓN DE LA TARDE**  
Pista D: Identificación y Control de Insectos

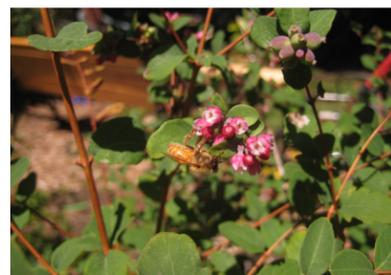
**OCTOBER 19 AFTERNOON SESSION**  
Track D: Insect Identification and Control

**Día-completo = \$20** (incluye sesiones de la mañana y la tarde, desayuno y almuerzo)  
**Medio-día, Pista D en Español solamente = Gratis**

**Full-day, Spanish = \$20** (includes morning and afternoon sessions, breakfast, and lunch)  
**Half-day, Spanish Track D only = Free**

**NOVIEMBRE 2 - GRATIS**  
Prácticas y Herramientas de Jardinería Sostenible. Pronto vendrán más detalles.

**NOVEMBER 2 - FREE**  
Sustainable landscape practices and tools. Details coming soon.



# SCHEDULE

## 7:30-8:00 WELCOME

Sign-in, breakfast refreshments, exhibitor showcase

## 8:00-12:00 MORNING SESSIONS

### Welcome & Introductions by the Green Gardening Program

Laura Cacho, Sustainable Landscaping Program Manager, Seattle Public Utilities; Katherine Taylor, Consulting Arborist, Tree Solutions

¡NUEVO!

CLASE EN ESPAÑOL

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*Simultaneous Spanish translation during the morning sessions. Learn about the latest case studies, research, and technologies in sustainable landscaping.*

### Outside Our Doors: The Benefits of Cities Where People and Nature Thrive

Erin House, The Nature Conservancy

The world is undergoing a tremendous surge of urban population growth, with more than half of all people now living in towns and cities. While we often perceive nature to be far from the city, 40 years of research shows that nature within cities plays a critical role in the lives of city dwellers. It can help us tackle urban environmental challenges such as stormwater management, pollution reduction, and climate resiliency—and also supports health and well-being by offering benefits like stress reduction and opportunities for social connections. Erin will present a panoramic view of how urban communities benefit from nature—on the streets, next to schools and hospitals, and outside our windows.

### Montana State University: Successful and Cost-Effective Strategies for Addressing Conservation, Stormwater, and Pesticide Reduction Goals

E.J. Hook, Director of Facilities and Landscape, Montana State University

Previously landscape manager for Woodland Park Zoo and Seattle City Light, E.J. Hook was hired by Montana State University to transform its campus into a site that meets the community's water conservation and stormwater goals, effectively manages pests while reducing pesticide use, saves money, and looks good. E.J. will explain the strategies he has used over the last five years to improve the grounds, measurably improve water quality, and gain the trust and support of directors, grounds staff, students, and the community.

### Trilogy at Redmond Ridge: Transitioning from Traditional to Sustainable Lawn Care

David McDonald, Resource Conservation Planner, Seattle Public Utilities; Patrick Schwartzkopf, General Manager, Pacific Landscape Management; Nathan Stacey, Soil Scientist, Washington State University

In 2015, the landscape contractor at Trilogy at Redmond Ridge (Pacific Landscape Management) implemented two changes on its communal lawn areas: 1) mulch mowing instead of removing grass clippings; and 2) reducing lawn fertilization from four applications per year to three. Changes were evaluated by comparing 2014 and 2015 lawn care costs and surveying residents before and after the transition. In addition, three test plots were selected for a side-by-side comparison of lawn quality, total ground cover, and appearance. David, Patrick, and Nathan will share the case study results and the science behind why “natural lawn care” is the best approach.

### Permaculture and Adaptive Practices from a Landscape Design Perspective

Keith Mastenbrook, Principal Designer, Westland Gardens

From the hippie, back-to-the-land movement to the contemporary sustainability movement, Keith will reflect on his experiences with environmental design. The search for workable solutions led Keith to permaculture, which presents a holistic and comprehensive tool box to create and test designs that reduce inputs, impacts, and waste from landscape practices. Keith will discuss his insights based upon observations of natural systems, experiences with permaculture, and practices for gardening with and for nature to provide resilient means to address climate chaos.

### Improving Water Quality through Permeable Pavement

Lisa Rozmyn, Business Resource Program Manager, Washington Stormwater Center

Using permeable pavement to improve water quality is the focus of a research and development collaboration by Boeing, Washington State University, and the Washington Stormwater Center. Lisa Rozmyn will present the advantages of using permeable pavement in landscaping and will discuss groundbreaking research on using recycled carbon fiber from airplanes to add strength to permeable pavement material.

## 12:00-1:00 LUNCH

Waste-free, mostly organic, mostly local

## 1:00-4:00 AFTERNOON SESSIONS (CHOOSE 1)

### TRACK A: Weed Management: Noxious Weeds, the Roundup Controversy, & IPM Strategies

Moderator: Annette Frahm, FrahmComm. Presenters: Tim Miller, Washington State University; Alison Halpern, Washington Noxious Weed Board; Grounds Crew, Capitol Campus (Brent Chapman, Ash Cox, Mary Harrison, Dan Kirschner, Kailee Moulton and James Skinner)

Weeds are the bane of landscape professionals and a major cost item for landscape maintenance. This session will discuss different IPM approaches to weed management. Does Roundup cause cancer? Last year, the WHO listed glyphosate as a “probable carcinogen.” Tim Miller will discuss the controversy and how that may affect weed management decisions. Alison Halpern will explain how to turn a problem into a benefit: replacing noxious weeds and invasive ornamentals with non-invasive pollinator-friendly plants. The Capitol Campus grounds crew will describe their sustainable approach to managing weeds, including use of different types of mulch, diverse mechanical methods, and experiments with vinegar and mineral-based herbicides.

### TRACK B: Trees and Green Stormwater Infrastructure

Moderator: Bess Bronstein, Horticulturist & Certified Arborist. Presenters: Shane DeWald, Senior Landscape Architect, City of Seattle; Deb Heiden, Urban Ecosystem Asset Manager, Seattle Public Utilities; J. Casey Clapp, ISA Certified Arborist, Tree Solutions

Healthy urban trees provide many benefits, including reducing stormwater runoff. This track will look at how City of Seattle trees are an integral element of green stormwater infrastructure in urban areas, considering both design and landscape management issues. It will also cover lessons learned from public projects since 2000 as well as public and private development projects underway today. The presenters will also discuss the future role of trees in managing urban runoff and the particular value of evergreen tree species. Additionally, attendees will have an opportunity at outdoor stations to see specific conifer species suitable for use in stormwater management, various soils and mulches used in bioretention and landscape designs, and structural cell systems used when planting street trees.

### TRACK C: The Business Case for Irrigation Technologies

Moderator: Mark Guthrie, Seattle Public Utilities. Presenters: Tom Glazener, Employee Development & Training Coordinator, Ewing Irrigation and Landscape Supply; Kelly Keicher, Area Specification Manager, Netafim; Daniel Motylewski, PNW Specification Manager, Hunter Industries

Learn about water-saving technologies that help you and your customers save money, conserve resources, and use proper irrigation. Tom Glazener will discuss new technologies that conserve water in the landscape. Kelly Keicher will present a before-and-after case study on drip irrigation. Daniel Motylewski will present case studies of various irrigation conservation practices. Irrigation supplier representatives will be on hand to showcase their newest water-saving technologies.

### TRACK D: Identificación y control de los insectos – Insect Identification & Control

Gonzalo Yepes, Owner, Columbian Gardens; Nahum Estrada, Owner, Judas Lion Landscaping

Esta clase muestra cómo identificar, prevenir y manejar problemas comunes de insectos en las plantas del noroeste. Incluye una descripción de técnicas del manejo integrado de plagas (Integrated Pest Management – IPM), con énfasis en prácticas preventivas. Los participantes analizarán los controles culturales apropiados para problemas de insectos, también harán un diagnóstico práctico de unas muestras de insectos y plantas. Todos los participantes recibirán un certificado de finalización.

*This class will illustrate how to identify, prevent, and manage common insect problems on Northwest plants. It includes an overview of integrated pest management (IPM) techniques, with a focus on preventative practices. Participants will discuss cultural controls appropriate for most insect problems and do a hands-on diagnosis of insect and plant samples. All participants will receive a certificate of completion.*

CLASE EN ESPAÑOL

## 4:00 END

Continuing Education and Pesticide Recertification Credits