

City of Seattle
Integrated Pest Management
Continuing Education Seminar

Evolving Urban Ecosystems



Trees, Bees and IPM Strategies

**Tuesday, October 30 and
Wednesday, October 31, 2018**



Seattle



**Seattle
Parks & Recreation**

**2018 City of Seattle Integrated Pest Management and Pesticide License Recertification
Continuing Education Seminar at South Seattle College, Oct. 30-31, 2018**

Presentations will be posted at www.seattle.gov/util/landscapeprofessionals click "Training / Past Presentations"

Tuesday, October 30, 2018

TIME	SPEAKER/AFFILIATION	TOPIC/TITLE	SUMMARIES
7-7:50am	REGISTRATION		
7:50-8am	WELCOME/ANNOUNCE		
8:00-8:50am	Tim Miller, Washington State University	New research on Noxious Weed Control Strategies	Noxious weeds are by definition extremely difficult to control. During this session, WSU's Tim Miller will discuss control strategies for managing various western Washington noxious weed species, as based on results from his research trials.
8:50 – 9:20am	Ben Peterson, King County Noxious Weed Program	The latest on the Emergent Noxious Weed Garden Loosestrife in King County	Garden loosestrife (<i>Lysimachia vulgaris</i>) is an emergent, perennial noxious weed that grown in wetlands, and along river and lake shores, where it displaces native plants, reduces habitat value and has proven very difficult to control. Ben will discuss the history and distribution of the plant in King County, the control method effectiveness, and the results of a recent field control trial on Lake Sammamish.
9:20-9:50am	Sasha Shaw, King County Noxious Weed Program	New and Unusual Noxious weeds to watch for in the Seattle area	This talk will feature plants on the state noxious weed list and monitor list that are not well known but could become your next worst enemy. Early detection and rapid response is the only way to effectively keep invasive species from establishing. By learning to identify new and upcoming invasive plants, you will have a chance to stop them before they become entrenched.
9:50-10:05	BREAK 15 min		
10:05–11:00am	Clay Antieau, Seattle Public Utilities	Standards for Pesticide, Herbicide and Fertilizer use in Environmental Critical Areas	Clay will describe current City of Seattle regulations for applying pesticides and fertilizers in the City's Shoreline Management District (SMD) and environmentally critical areas (ECAs). Clay will describe what the SMD and ECAs are, how you identify where these are located, and how the City regulates the application of these chemicals. The City's 2017 update to its ECA regulations strengthened these standards to better protect these natural resources and water quality, people, and property.
11:00am - 12:00pm	Bess Bronstein, Consulting Arborist	Common Tree Decays	This session will focus on fungal decay diseases that affect many of our native tree species in the Pacific Northwest. Specific diseases covered include annosus root rot, armillaria root rot, laminated root rot, velvet top fungus, red ring rot, artist conk, white trunk rot, brittle cinder and madrona canker. When assessing tree health and structure, proper identification of these pathogens is essential in order to determine appropriate management methods. Plant Health Care (PHC) approaches to management, including acceptable Integrated Pest Management (IPM) methods will be covered.
12:00-1pm	WSDA scan and LUNCH		

1:00-2:00pm	Jasmine Ka, Forterra Sayward Glise, Cedar River Project Lead, King County Noxious Weed Program	Enhancing riparian functions through landscape-scale IPM in partnerships	King County and Forterra will present lessons learned since 2010 in rolling out landscape-scale knotweed control programs across the Green-Duwamish and Cedar Rivers. This will include evolving treatment methods and managing relationships with hundreds of landowners, to enhance riparian functions through landscape-scale IPM in partnership with local governments, non-profits and private landowners
2:00 – 2:15	BREAK 15 min		
2:15 – 2:45pm	Megan Dunn, NW Coalition for Alternatives to Pesticides	Pesticide Impacts and Scary, Scary Pesticide lessons!	Learn about the human health and environmental impacts of commonly used pesticides and solutions for pest management. This session will cover case studies from IPM programs in the Puget Sound region and play on the theme of Halloween by showing frightening examples of what not to do and what works for Integrated Pest Management.
2:45-3:15pm	Kevin Jensen, WSDA	Compliance Inspector Confidential	Kevin Jensen will share the details of the many pesticide use inspections and complaints he has investigated while working as a compliance inspector for WSDA. He'll cover common problems and the best solutions for safe use of pesticide products and how to record applications properly.
3:15-3:30	Wrap up and WSDA Credit Scan		

Wednesday, October 31

TIME	SPEAKER/AFFILIATION	TOPIC/TITLE	SUMMARIES
7-7:50am	REGISTRATION		
7:50-8am	WELCOME/ANNOUNCE		
8:00-8:50am	Becky McGuire, Washington State University	The Safe Applicator: PPE – Protect Yourself	Wearing Personal Protective Equipment is more than a fashion statement. Hear about the latest in PPE including respirators.
8:50-9:50am	Nolan Rundquist, Seattle Department of Transportation	TBD Tree IPM 15 years of Dutch Elm Disease Management	What's going on with Dutch elm disease in Seattle? Nolan will bring us a summary of how the City of Seattle urban forestry staff in City Light, Seattle Parks and Seattle department of Transportation have managed this disease over the last decade and a half and share the results.
9:50-10:05	BREAK 15 min		
10:05 - 10:30am	Michael Yadrick, Seattle Parks and Recreation	Madrone Decline and Recovery	<i>Arbutus menziesii</i> , Pacific madrone, is the most distinctive native tree in the Puget Trough. Unfortunately, thinning, soil loss and compaction, fire suppression and other urban impacts increase susceptibility of this species to many diseases. The Madrone Recovery Project will provide expanded protection and contribute to the restoration of this unique mixed conifer-broadleaf ecosystem throughout Seattle's forested parklands, supporting a healthy urban ecosystem through collaboration with local partners and stakeholders.
10:30am-11:00	Dr. Patrick Tobin, University of Washington	Looking for black and white in the grey:	Expansion of global trade has increased establishment of non-native insects that feed on plants, some of which will detrimentally impact native ecosystems. To better predict

		Predicting the impact non-native insects on North American host trees	and respond to high-impact invaders, it is important to clarify which factors or mechanisms enable them to successfully attack and overpower native host plants. In this talk, I will highlight a recently-developed integrated model to better predict risk and assist in the prioritization of regulatory and management resources in controlling these pests.
11:00 – 12:00pm	Larry Garcia, Seattle City Light	Glyphosate and Health	Understanding herbicide chemistry and impacts is crucial to using products safely and efficiently. And no chemistry has been so controversial as glyphosate, nor as popular with applicators and homeowners alike. Larry will talk about the known issues, reviews and information and how the City of Seattle is assessing its IPM programs around use of glyphosate products.
12:00-12:50pm	WSDA credit scan and LUNCH		
1:00 – 2:00pm	Jennifer Andreas, Washington State University	What's Bugging the Weeds? Biological Control of Weeds	Biological control of weeds is an important component of vegetation management. However, its use is often overlooked or not well understood, which can lead to hesitancy in using this effective and very accessible tool, especially in long-term control strategies. This presentation will cover the basic underlying principles of biocontrol and how to effectively use it as part of an integrated management strategy. Specific information about noxious weeds and their associated biocontrol agents will be discussed.
2:00 – 2:15	BREAK 15 min		
2:15 – 3:05pm	WSU CAHNRS Video https://www.youtube.com/watch?v=iLFBFrGMHno&feature=youtu.be	Ramorum Blight: A Washington Story Updated	<i>Phytophthora ramorum</i> has the potential to become a serious and economically significant problem. We should all be on the lookout for suspicious symptoms. <i>P. ramorum</i> can infect many species of plants, including rhododendrons, camellias, viburnum, kalmia, and Pieris, all considered highly susceptible. Currently, the only way to confirm a SOD diagnosis is with laboratory tests. This is the story of a <i>P. ramorum</i> detection at Bloedel Reserve in 2002 and how they worked successfully with regulators and researchers to mitigate the disease and prevent further spread.
3:05 – 3:30pm	Wrap up and WSDA Credit Scan		