

Growing On: Managing Healthy Urban Landscapes

Part Four, March 3, 8:00 – 11:30 a.m.

Topics and Presenters

Pacific Northwest Turf Insect Pests: (Starts at 0:20 in recording.)

Insect Pests of the Pacific Northwest: A Closer Look at Four Turf Threats (Video from WSU Extension). Some new insect pests have been causing turf problems in western Washington. Hear the story about winter cutworm and European chafer, the damage they cause and IPM options for these pests. Are billbugs causing more problems? A review of European crane fly is also covered in this training video.

Patti Bakker: (Starts at 43:28 in recording.) After the video, Patti Bakker will discuss Seattle Parks and Recreation's Integrated Pest Management response to European chafer

Video: *Insect Pests of the Pacific Northwest: A Closer Look at Four Turf Threats*, Carrie Foss, Urban IPM Director WSU-Puyallup Executive Producer. Darrell Kilgore and Matt Ziegler, CAHNRS Communications Washington State University, 2016.

Patti Bakker, Seattle Parks and Recreation Manager, Green Seattle Partnership/ Wildlife/ Integrated Pest Management.

Patti is Seattle Parks and Recreation's Manager for the Green Seattle Partnership, Wildlife and IPM programs. She has been with the City for almost five years and has been working toward protection and restoration of habitats and species for 28 years. She has worked with local, state and federal agencies as well as large and small non-profit organizations, including seven years as a wildlife biologist for the U.S. Forest Service and seven years managing the Truckee River Restoration Program for The Nature Conservancy in Nevada. She is interested in all things Bird, and has been enjoying learning the similarities and differences between the bird life of her previous home turf of the Sierra Nevada and Great Basin Ecoregions and her adopted and forever home of Seattle and the Puget Trough (and is very happy that her favorite bird, the Great Blue Heron, occurs in both areas!)

Safety and Pesticides -- The Basics: (Starts at 1:01 in recording.)

Pesticides are a highly useful tool in certain situations but are also dangerous and need to be used with caution. This presentation will cover the basics of safe and legal pesticide use, including labels and safety data sheets, PPE, storage, transport, application, and disposal, as well as signage requirements, first aid and spills.

Matthew Hilliard is a maintenance laborer on the Natural Areas Crew of Seattle Parks and Recreation (SPR). He has been working with pesticides, and more specifically herbicides, for the last several years, usually in the context of ecological restoration work. He is also the chairperson of the Natural Resources Unit Safety Committee within SPR.

Pesticide Safety and Environmental Justice: (Starts at 1:30:28 in recording.)

Dominica Navarro and Sharalyn Peterson from the Northwest Center for Alternatives to Pesticides will provide an overview of the role that pesticides play in the fight for environmental justice in agriculture, focusing on pesticides and water quality including safe and legal use of pesticides, the effects of pesticides on farm workers and the federal policies and points in history that have brought Washington State agriculture to where it is today and

ending with key takeaways on how to increase environmental justice and reduce the harmful effects of pesticide use to communities and the ecosystem.

Dominica Navarro joined NCAP in September 2019. Dominica has devoted much of her professional career to nonprofit management and administration, working with organizations championing public health, diversity in higher education and organic farming research and policy. She graduated from the University of California, Santa Cruz with majors in both Environmental and Community Studies and has worked on various sustainable agriculture projects in the US and abroad. Dominica serves on the Boards of Oregon Climate and Agriculture Network, Rogue Farm Corp and Herbicide Free Campus. Dominica is a certified Worker Protection Standard Trainer.

Sharalyn Peterson joined the NCAP team in March 2020 as the Healthy Wildlife and Water Coordinator. She holds a M.S. degree in Forestry from Northern Arizona University focusing on forest health and a B.S. degree in commercial photography and anthropology. Before joining NCAP, Sharalyn worked for several state and federal agencies, universities, and nonprofits where she advocated for wildlife habitat and sustainable land management.

Making IPM More Effective Through Equity: (Starts at 2:02:02 in recording.)

We know that one or more destructive, invasive tree killing pests such as Asian Longhorned beetle may be arriving in Seattle in the next couple of years. Before that happens, minimizing damage to tree canopy and the benefits it provides, like public health, will require **implementing a new protocol:** close engagement with private residential properties where most urban trees are planted. Using an equity and environmental justice lens, we can shape and focus tree pest mitigation efforts to be most effective with communities of color who could be greatly impacted by sudden tree loss. These communities are less likely to have the resources necessary to address pest outbreaks quickly and effectively on residential property without government support. Effective IPM requires building trust before the arrival of these pests with communities most likely impacted. Focusing on equity and environmental justice will build resilience to invasive pests for the entire urban forest and everyone who lives in it.

Vicky Raya, Racial Equity Advisor

Vicky has over 15 years of experience working with racially diverse communities locally and nationally. She currently works as a Racial Equity Advisor for Seattle Public Utilities consulting across all branches and lines of business on planning and analysis, awareness building, and inclusive community engagement centered on racial equity. She is dedicated to facilitating an institutional-scale shift from theoretical concepts of race and social justice to concrete, implementable actions.

Jana Dilley, Pollution Prevention Community Engagement Manager

Jana is an ISA certified Municipal Arborist who has been working in the urban forestry field for almost 20 years. She currently works in Seattle Public Utilities where she oversees several programs including Trees for Seattle, RainWise, Stormwater Engagement, and Wastewater Engagement. Her expertise is in effective and equitable community engagement to change long term behaviors for the public good. She also has a passion for invasive tree pests.

Contacts and Resources

Pacific Northwest Turf Insect Pests:

Patti Bakker: Patricia.bakker@seattle.gov

Resources:

- <https://pubs.extension.weu.edu/pest-watch-european-chafer-home-garden-series>
- <https://www.seattletimes.com/seattle-news/environment/move-over-murder-hornets-theres-a-new-bug-in-town-and-its-coming-for-your-lawn/>
- WSU Urban IPM and Pesticide Safety Education: <https://pep.wsu.edu/>

Safety and Pesticides -- The Basics:

Matthew Hilliard: matthew.hilliard@seattle.gov

Pesticide Safety and Environmental Justice:

Sharalyn Peterson: Email: dnavarro@pesticide.org, Phone: 541-344-5044, ext. 35

Dominica Navarro Email: speterson@pesticide.org, Phone: 541-344-5044

Northwest Center for Alternatives to Pesticides: <https://www.pesticide.org/>

Making IPM More Effective Through Equity:

Jana Dilley: Jana.dilley@seattle.gov

Vicky Raya: Vicky.raya@seattle.gov

Resources:

- Washington Invasive Species Council: https://invasivespecies.wa.gov/find-a-priority-species/?_sft_priority-specie-type=invasive-insects
- Green Cities: Good Health website <http://depts.washington.edu/hhwb/>