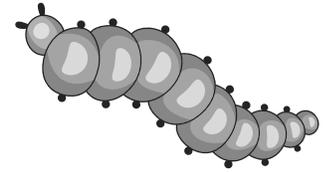


Day 1 - Tuesday, October 29



7 – 7:50 a.m. REGISTRATION

7:50 – 8 a.m. WELCOME/ANNOUNCEMENTS

8-9 a.m. WHAT THE BUG IS THAT?

Todd Murray, Washington State University Extension

This presentation will cover biology, pest significance and management of new insect pests in the Pacific Northwest. Pests of concern will be highlighted along with tools for identification and diagnosis.

9-9:50 a.m. WHAT'S WRONG WITH MY CONIFER?

Bess Bronstein, Arboriculturist and Consultant

This presentation focuses on identification and management options for insect pests, diseases and abiotic problems that impact the health of landscape and native conifers in our region. Diseases and insects covered include rusts, twig and needle blights, needle casts, scales, adelgids, and bark beetles. Abiotic stresses will also be discussed. Plant Health Care (PHC) approaches to management, including acceptable Integrated Pest Management (IPM) methods will be covered.

9:50-10 a.m. BREAK 10 min

10– 11 a.m. DISEASES AND PESTS OF NORTHWEST PLANTS

Clay Antieau, Seattle Public Utilities

Clay takes a deeper look at the identification and remarkable lives of diseases and pests of commonly cultivated native plants. This presentation includes discussion of least-toxic controls as well as potential alternate plant selections for those native plant species seriously afflicted by pest or disease.

11 a.m. -12 p.m. PRACTICAL SOLUTIONS FOR MANAGING VEGETATION AND LANDSCAPE SITE ASSETS

Ray Willard, Washington State Department of Transportation

This presentation will show how the Washington State Department of Transportation's asset management systems are being utilized as tools for planning, tracking, and measuring the implementation of Integrated Vegetation Management (IVM) and weed control operations throughout the state highway system. Ray will explain how the agency's use of IVM plans, mobile technology, and GIS mapping of system inventories is leading to a more efficient, precise, and effective integration of herbicide, mechanical, biological, and manual treatments on our State's highway roadsides, and how these same tools and principles can be applied in other types of land use and vegetation management situations.

12-1 p.m. WSDA SCAN AND LUNCH

1-2 p.m. LIVING WITH BEAVERS IN OUR URBAN WETLANDS

Benjamin Dittbrenner, Beavers Northwest

Many cities, including Seattle, have experienced a resurgence of beavers in urban constructed and restored wetlands. While this indicates increased biodiversity, it also comes with landscape impacts, flooding and other damages to infrastructure like trails, trees and community use areas. Ben has been working with Seattle Parks to develop sustainable strategies to protect habitats and manage beaver populations and will give us an update of methods and materials used in this interesting case study.

2-2:15 p.m. BREAK 15 min

2:15-3:15 p.m. LIFE AFTER ROUNDUP: ALTERNATIVE METHODS AND STRATEGIES TO MANAGE WEEDS

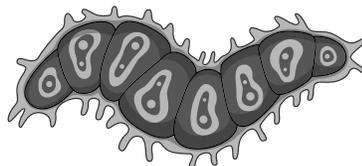
Panel Participants: Kevin Beausoleil, Heather Harris, Jeanne Schollmeyer, Brian Willis, City of Seattle; Diane Emerson and Michael Laurie of Garden Green

Four City of Seattle Horticulturists discuss the pros and cons of alternatives to synthetic herbicides that they are using, including heat treatments like Foamstream and Flame weeders, and sheet mulching, followed by results of case studies with two horticulturists, consultants and educators from the private sector.

<https://www.weedingtech.com/us/why-foamstream/>

<https://flameengineering.com/pages/flame-weeding-101>

3:15-3:30 p.m. WRAP UP AND WSDA CREDIT SCAN



Day 2 - Wednesday, October 30

7 – 7:50 a.m. REGISTRATION

7:50 – 8 a.m. WELCOME/ANNOUNCEMENTS

8 – 9 a.m. THE IPM BENEFITS OF HEALTHY SOILS
David McDonald, Seattle Public Utilities

This presentation will discuss soil, physical, chemical, and biological processes, and then show how to use this science to develop integrated pest management strategies that reduce insect pests by increasing insect predator populations and reduce the impacts of common soil and plant disease problems.

9-9:50 a.m. SEATTLE PARKS AND RECREATION'S URBAN FOOD SYSTEMS 2019 IPM STRATEGY
Paris Yates, City of Seattle

The Urban Food System (UFS) stewards' gardens and orchards on municipal land are managed by Seattle Parks and Recreation. Over the past 8 years, there has been a dramatic increase of Apple Maggot fly and Codling moth infestations on fruit trees in the public orchards. Paris will present the UFS IPM strategy that incorporates fruit tree pruning, routine maintenance, and orchard sanitation practices to combat orchard pest issues.

9:50-10 a.m. BREAK 10 min

10 -10:30 a.m. SDOT'S URBAN FORESTRY PREVENTATIVE MEASURES TO POTENTIAL TREE PESTS
Sherry Graham/ Stephanie Helms, Seattle Department of Transportation

Sherry Graham will speak about building Urban Forest IPM resiliency through monitoring for known tree pests and species selection. Using iTree, we analyze tree species composition on the Management Unit Level to provide a determination of the level of potential or existing infestation from insect pest species such as bronze birch borer and aphids, and from disease organisms causing powdery mildew and anthracnose, which are common to existing urban tree species. This monitoring will determine IPM actions for reducing the potential for pests' invasions not only for City trees, but potential spread to homeowners and businesses.

Stephanie Helms will provide an overview of her work on the statewide steering committee for the Urban Forest Pest Readiness Playbook. Set to launch on October 29, 2019, this new collaboration between cities and state and federal agencies will formalize a network and rapid-response framework that will improve response readiness for detection and management of new urban forest pests. Talk will include progress so far and progress to date.

10:30-11 a.m. YES, WE DO HAVE TICKS IN WASHINGTON: WHY THAT'S IMPORTANT AND WHAT YOU SHOULD KNOW
Elizabeth Dykstra, University of Washington and Washington State Department of Health

Learn about the tick species that are commonly encountered in Washington State, where they live and when they are active. Dr. Dykstra will also cover diseases ticks carry, protective measures and give us a look at the WA Department of Health's tick surveillance program.

11 a.m.-12 p.m. IPM TRICKS OF THE TRADE FROM THE RESTORATION PRACTITIONER'S HANDBOOK
Justin Howell, Applied Ecology, LLC

Justin will present case studies from his own experience as an urban restoration construction and maintenance specialist, highlighting the myriad of ways that IPM is utilized in the management of urban restoration sites.

12-1 p.m. WSDA CREDIT SCAN AND LUNCH

1-2 p.m. LIVING WITH WILDLIFE
Chris Anderson, Department of Fish and Wildlife

Join Chris for a lively talk about understanding the most common urban/ suburban wildlife species that often need precise management to avoid or abate property, livestock or crop damage concerns.

2-2:15 p.m. BREAK 15 min

2:15-3:15 p.m. DANGEROUS PLANTS AMONG US
Barbara DeCaro and Bridget Kelsh, Seattle Parks and Recreation

Learn about the types of plants in urban landscapes and natural areas that pose potential harm to mammals, from minor scratches and cuts to exposure to toxic sap. Barb and Bridget will present easy ways to recognize these plants and protect yourself while working around them.

3:15-3:30 p.m. WRAP UP AND WSDA CREDIT SCAN

