



4-COUNTY Cooperative Weed Management Area

4-County CWMA General Meeting

Wednesday, October 9th, 2019 10:00am-12:00pm

Tualatin SWCD office at 7175 NE Evergreen Parkway Suite 400, Hillsboro, OR 97124

Attendees: Sam Leininger (CSWCD), Courtney Gattuso (CSWCD), David Knaus (Apical Crop Science), John Goetz III (CWS), Joel Donnelly (Yamhill SWCD), Eli Staggs (CPU), Bronwyn Mellen-Jones (CPU), Brad Mead (CPU), Jen Zarnoch (CLT), Beth Myers-Shenai (ODA), Lucas Nipp (EMSWCD), Kevin Fitzgerald (Multnomah County), Mitch Bixby (COP-BES), Travis Williams (City of Beaverton), Anne Luciano (City of Beaverton), Jack Halsey (Oswego Lake Watershed Council), Charlie Nappi (PP&R), Nichole Linehan (PP&R), Trey Hoekstra (City of Sherwood), Andrea Berkley (OPRD), Matt Paroulek (POP), Tim Sauiter (Washington County), Justin Collell (Clark County NWCB), Chelsea White-Brainard (EMSWCD), Ari DeMarco (WMSWCD), Julianne Ubigau (University of Washington), Whitney Bailey (EMSWCD), Angie Kimpo (PWB), Tyler Pedersen (TSWCD), Olivia Hurd (TSWCD), Aaron Shaw (TSWCD), Michelle Delepine (WMSWCD), Trevor Norman (TSWCD)

10:00 Welcome & Introductions

Tyler Pedersen, Tualatin Soil & Water Conservation District

- Tyler introduces the presenters speaking today and thanks everyone for coming today.

10:05 Tualatin SWCD Invasive Species Program Update

Tyler Pedersen, Tualatin Soil & Water Conservation District

- Tyler talks about the TSWCD Invasive Species Program and introduces the two technicians on the team, Olivia Hurd and Trevor Norman.
 - **Tool rental program**
 - They have a tool rental program, weed wrenches, for landowners at no cost, but must be a landowner of Washington County.
 - **Weed watcher workshops**
 - They bring potted live specimens of the plants and teach landowners how to control the weeds as well as identification characteristics.
 - Late April to late May
 - Tabled 9 different events and had over 500 people engage with the District on weed control.
 - **Partner collaboration**
 - Partnered with Michelle and WMSWCD and had a youth crew hand remove garlic mustard at the Abby Creek drainage off of Skyline Blvd.
 - **EDRR Treatments**
 - Garlic mustard populations have shown a decrease through the years, TSWCD is now managing these sites after CWS passed them over.
 - Policeman's helmet, giant hogweed, knotweed treatments have been successful with declining populations.
 - Impatiens balfouri was newly found in Sherwood, not much in the County.

- Budget is allocated mainly to garlic mustard, knotweed, giant hogweed, and purple loosestrife treatments and surveys.
- Tyler gives a big thanks to their partners!

10:15 CWMA Committee Updates

- **Steering Committee – *Mitch Bixby, Bureau of Environmental Services***

- Mitch announces the upcoming partner support request for the CWMA.
- The 5-year CWMA Memorandum of Understanding (MOU) is expiring and all current and future partners will need to sign on to the new MOU to continue the partnership.
- Courtney will send the official request over the listserv.

- **Education & Outreach Committee – *Chelsea White-Brainard, East Multnomah SWCD***

- Chelsea gives a recap of the previous CWMA events and announces that the upcoming Pull Together will be held at the Kennedy School on January 15th 2020.

- **Technical & Scientific Review Committee – *Michelle Delepine, West Multnomah SWCD***

- Michelle share updates within the Committee including the IPM Calendar and encourages new members to join the committee!

- **Coordinator Update– *Courtney Gattuso, Clackamas SWCD***

- Minutes for CWMA meetings and 2020 CWMA calendar are now on the website.
- Courtney has been assisting Steering Committee with updating up the official documents which we will distribute to our partners, including the 2019 Annual Report she wrote.
- Courtney holds an election for the upcoming 2020 At Large and County Representatives.
- Committee Chair positions will be elected at our upcoming Committee meeting day, scheduled on November 13th at East Multnomah SWCD's office. If you're interested in any of the Chair positions for our Committees, Courtney encourages folks to attend the November meeting or reach out to her directly.
- There was no outside interest to serve on Steering, so current representatives were reelected for 2020:
 - **Multnomah County** – Michelle Delepine
 - **Clark County** – Justin Collell
 - **Washington County** – Aaron Shaw
 - **Clackamas County** – Vacant
 - **At Large** – Mitch Bixby

10:35 Weed Slayer: A Revolution in Organic Herbicides

David Knaus, Apical-Ag

- David introduces WeedSlayer, a certified organic non-selective herbicide.
- The product is not only non-toxic to humans and animals, but is extremely attractive to micro and macro organisms.
- **How does it work?**
 - Eugenol is a cell membrane disrupter.
 - Currently doing trials of the product on knotweed, bindweed, Canada thistle, quackgrass, nutsedge, curly dock, bentgrass, purslane working with Clackamas County, Clean Water Services, and other agencies to have study plots.
- **Soil Decomposers**

- Soil decomposers seem to play a key part in the decomposition of the plant after application of Weed Slayer.
- Maggots, worms, ants, and other insects have been found near or around the targeted plants due to the food source of the product (clove oil and molasses).
- The product seems to do very well on grasses and seedy annuals.
- **Usage rates**
 - 1oz per gallon of WS and microbe AGWS – small weeds and grasses.
 - 2 oz of each product for large weeds and grasses.
- **Buffer spray tank**
 - Buffer spray tank to pH below 5 (using vinegar).
 - Sometimes organic surfactants are added (like Agro Gold WS).
 - Additional (NuFilm, Freeway) surfactants may also be added.
- **Timing**
 - Year round/non-selective.
 - Can be used for dormant clean ups of annuals and perennials.
 - Dry to touch is needed for adequate penetration.
 - Works in winter even under snow.
 - Minimal weakening occurs when there are heavy rains before application.
- **New advancements**
 - New microbe-oil pairings are in the works.
 - Food crop FIRA 25b for dry down.
 - New formulation to allow lower cost per treatment.

10:55 Using dogs to detect garlic mustard on Cedar Mill Creek – Fall 2018 Survey Results

Julianne Ubigau and Jasper, Conservation Canines

- University of Washington, Center of Conservation Biology focused on wildlife forensics, wildlife monitoring and environmental research.
- A new way of doing research collecting scat tells a lot about animal biology, they work all over the world.
 - **Scoop on the scat**
 - All of the dogs love to play ball! And have a ton of energy.
 - The alert when they find what they want is sitting and waiting for a ball to be thrown.
 - **Our Dogs**
 - Lots of dogs of all breeds!
 - **Species**
 - Tucker the rescue dog searches for Orca whale scat on a boat, using the wind to navigate to the desired location.
 - **Other applications**
 - Carcass detection, ivory detection, plant detection, pollutants.
 - **Invasive plant species**
 - Conservation Canines is very interested in noxious weed management and control to help them.
 - **Potential benefits**
 - Improving detection rates and survey efficiency of plants in low density areas.
 - Ability to detect nonvisible plants in an area of thick understory or difficult terrain.

- The early detection of seedlings and pre-flowering plants.
- The opportunity to expand management areas using large scale survey and detect infestations.
- Working on multispecies detection.
- **Cedar Mill surveys**
 - Dogs wear trackers that take a point at every meter or the desired distance.
 - They want to know what parts of the plant the dogs are detecting. Working on detecting garlic mustard seeds.
 - Dogs are great ambassadors for education and outreach--decontamination is important!

11:25 The Scoop on Regulating Ornamental Noxious Weeds

Beth Myers-Shenai, Oregon Department of Agriculture

- **ODA Noxious Weed Control Program**
 - Survey and detection, EDRR treatments, education and outreach, grants
 - Recipe for the perfect garden plant is also the same as a noxious weed.
 - Listing a noxious weed go through a series of steps.
 - Once a noxious weed gets listed, it takes some time to reach the quarantine list.
 - Includes all parts of a plant; exemptions are wheat.
- **What about this?**
 - Hybrid species? Goatsrue “lady Wilson” is an example. Needs to go through the same process of getting a weed listed.
- **Illegal sales at nurseries**
 - Beth encourages us to take pictures, speak with owner, ask for label of scientific name, respectfully let them know the weed is quarantined and should be removed.
 - Contact ODA noxious weed or nursery program about what you suspect.
- **Illegal sales online**
 - Craigslist, Amazon, Etsy are all culprits of selling illegal plants.
 - Each website should restrict you from purchasing based on the state you live in, but there are loopholes.
 - What should you do?
 - Flag posts, contact ODA with link if you suspect deliveries are being sent to Oregon.
 - Non profit plant sales need temporary nursery plant sale license if they are selling more than \$250 worth or plant material.

12:00 End

Next General Meeting

Pull Together - January 15th, 2020