



United States Department of Agriculture

NRCS Corvallis
Plant Materials Center

Corvallis Plant Materials Center

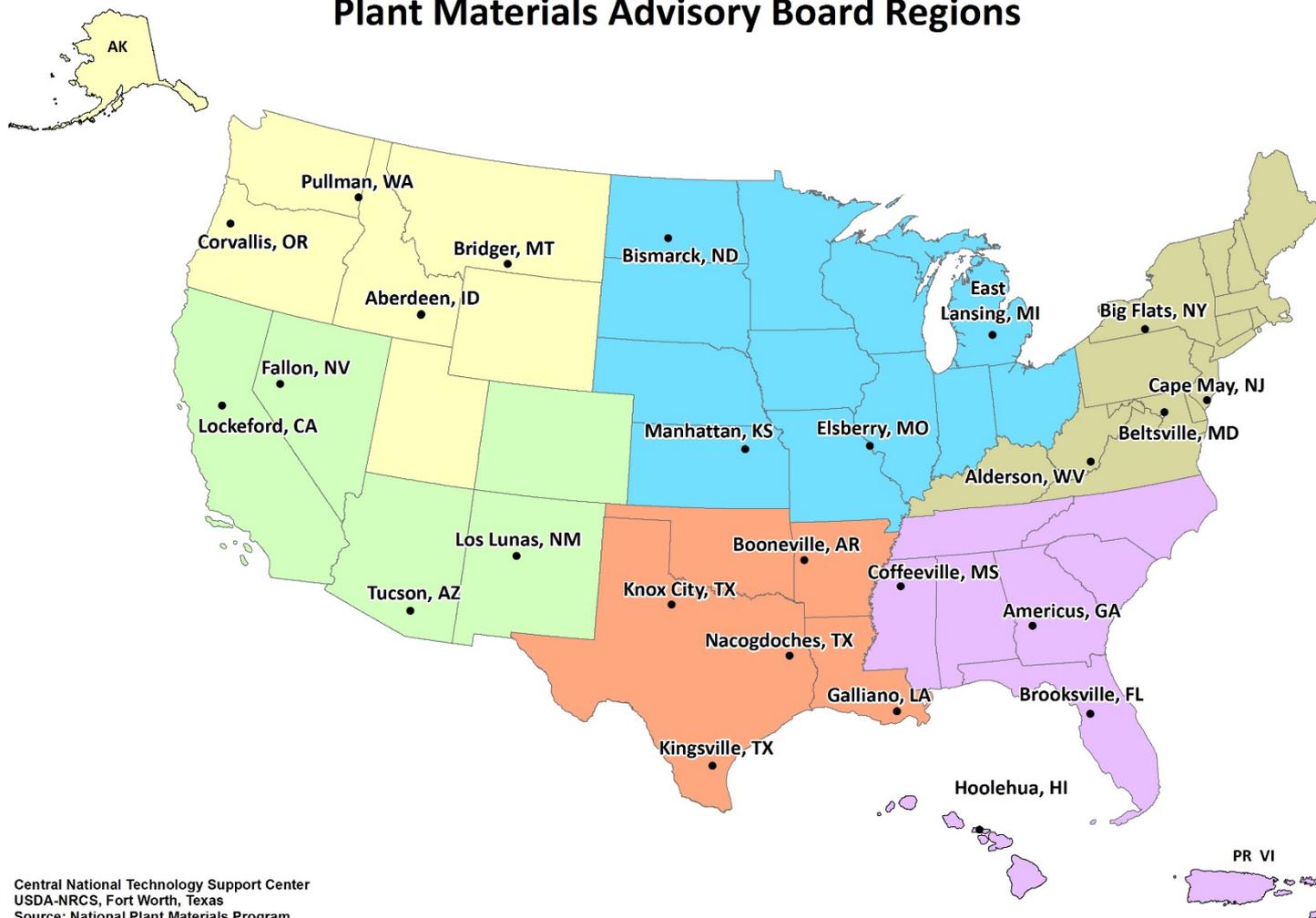
Mission: To develop and deliver plant science technology to meet our region's natural resource conservation needs.

Annie Young-Mathews, PMC Manager
September 15, 2016

NRCS Plant Materials Program: What We Do

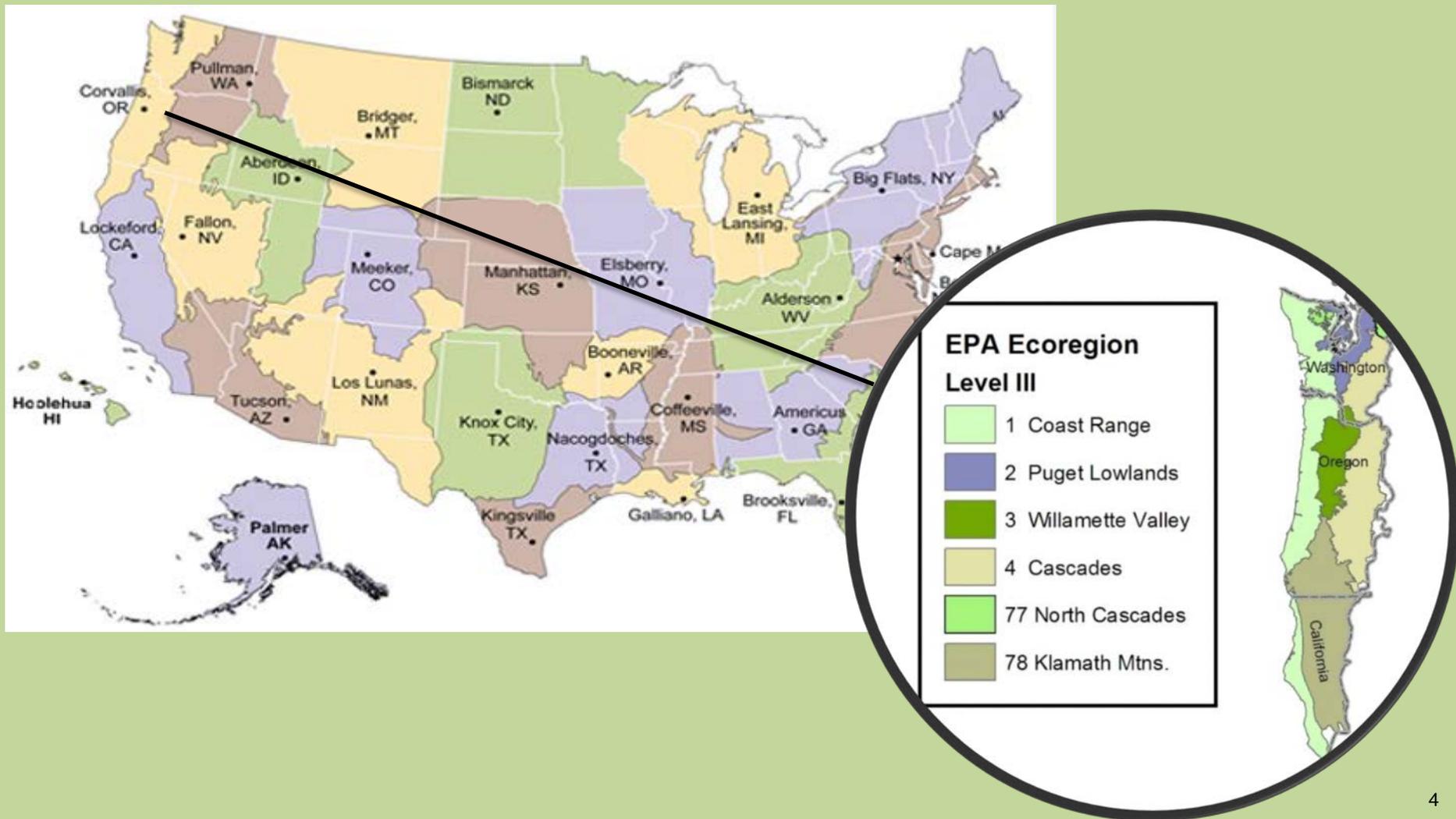
- ❖ Develop plant technology (propagation protocols, planting/seeding techniques, seeding rates & mixes)
- ❖ Provide training and education to NRCS staff, partners, and the public
- ❖ Collect plant attribute data for practice standards, models, etc.
- ❖ Develop and test new plant materials to address specific resource concerns

Plant Materials Advisory Board Regions



Central National Technology Support Center
 USDA-NRCS, Fort Worth, Texas
 Source: National Plant Materials Program
 Date: December 22, 2015
 Map No. 2016-15

Corvallis Plant Materials Center Service Area



Corvallis PMC Conservation Plant Releases

Native grasses: 11 cultivars/germplasms

- blue wildrye, tufted hairgrass, California oatgrass, meadowbarley, Roemer's fescue

Native forbs: 1 cultivar

- 'Hederma' riverbank lupine (*Lupinus rivularis*)

Native shrubs: 7 cultivars/germplasms

- Sitka alder, western redosier dogwood, dune willow, arroyo willow, erect willow, Columbia River willow, Sitka willow

❖ *Small quantities of seed are available from the PMC for field trials with producers. Large quantities available for purchase from commercial native seed producers in Oregon, Washington, and California.*

❖ *Native shrub cutting blocks at the PMC are available to NRCS/SWCD employees and producers to take dormant hardwood cuttings for restoration projects.*

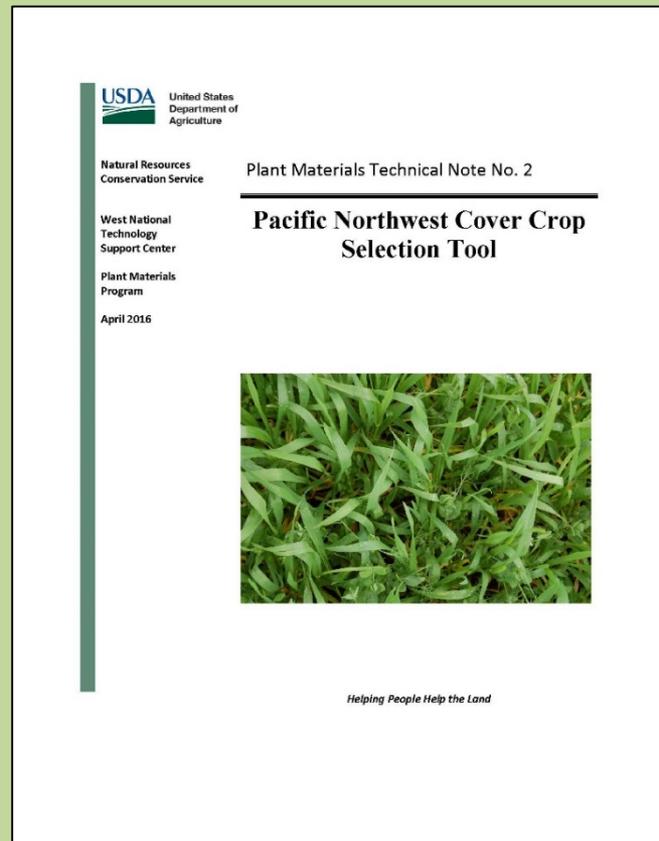
Current Projects at the Corvallis PMC

- Soil Health:
 - Cover crop adaptation variety trials, cover crop mixes/seeding rates, and soil health effects
 - Field Days (usually spring and summer)
 - Technical Notes: PNW Cover Crop Selection Tool, Cover Crop Seed Sources, Cover Crop Plant Guides



Pacific Northwest Cover Crop Selection Tool

- New Regional Plant Materials Technical Note
 - Oregon
 - Washington
 - Idaho
- Regionally adapted annual cover crops for specific purposes





Pacific Northwest Cover Crop Selection Tool

The screenshot shows the top portion of a web page. At the top left is the USDA logo and the text "Natural Resources Conservation Service Plant Materials Program United States Department of Agriculture". To the right are links for "National Centers" and "State Websites". Below this is a search bar and a "Browse By Audience | A-Z Index | Help" menu. A breadcrumb trail reads: "You are Here: Home / Technical Resources / Tools & Data / Plant Tools & Data / Pacific Northwest Cover Crop Selection Tool". Below the breadcrumb is a "Stay Connected" section with icons for Facebook, Twitter, YouTube, Email, and RSS. On the left is a sidebar menu with "Technical Resources" and sub-items: "Conservation Plants", "Technical Publications", "Tools & Data", "Plant Tools & Data", and "Learning Tools". The main content area has the title "Pacific Northwest Cover Crop Selection Tool" and a paragraph: "This Cover Crop Selection Tool for Idaho, Oregon, and Washington is intended as a guide to help growers and conservation planners select cover crop species adapted to their climate, soils, and the purposes of the cover crop." This is followed by a longer paragraph about implementation, a paragraph about seed values, a bolded statement "It is the producers' responsibility to follow all state and federal laws.", and a final paragraph with contact information for Annie Young-Mathews, Allen Casey, and Derek Tilley.

<http://www.nrcs.usda.gov/wps/portal/nrcs/detail/plantmaterials/technical/too/lsdata/plant/?cid=nrcseprd894840>

Current Projects at the Corvallis PMC

- Pollinator Habitat:
 - Seed mix trials—demonstration planting of commercially available pollinator mixes
 - Seeding date/rate study
 - PMC pollinator and hedgerow field days
 - Field trials w/ growers



Current Projects at the Corvallis PMC

- Technology Development:
 - Seeding recommendations for restoration of wetlands, prairies, and oak woodlands
 - Native and weed seedling identification guide
 - Updated Seeding and Planting Guide for Western Oregon & Washington (eFOTG)

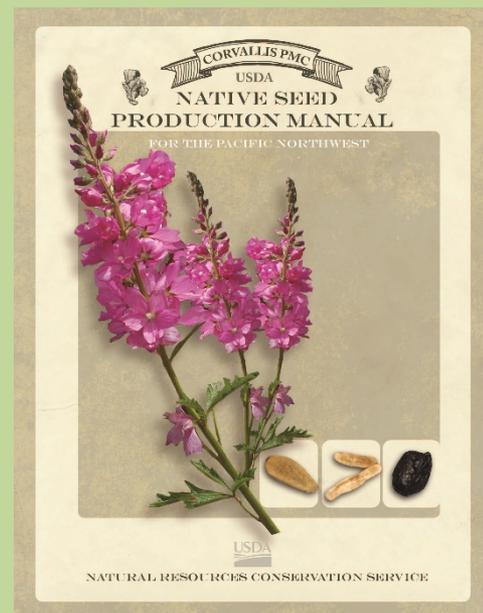


Partnerships

- **SWCDs: Benton, Marion, Yamhill, & Polk**
 - Soil health/cover crop field days, native plant propagation & agroforestry workshops
- **Xerces Society for Invertebrate Conservation**
 - Workshops, field trials, developing Technical Notes
- **Integrated Plant Protection Center at OSU**
 - Functional Agricultural Biodiversity (FAB) work group—training, field days & IPM workshops
- **Oregon Recreation & Park Association**
 - “Pollinators in Parks” workshop

Cooperative Agreements

- Native seed & plant production and technology development
 - Endangered species recovery efforts
 - Restoration projects with BLM, USFS, USFWS, National Park Service, Oregon Military Department, Institute for Applied Ecology, and other partners over the last 20 years



Please get in touch with any questions:

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<http://www.nrcs.usda.gov/wps/portal/nrcs/main/plantmaterials/pmc/west/orpmc/>

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- Tyler Ross, Farmer, tyler.ross@or.usda.gov
- Vanessa East, Horticulturist, Vanessa.east@or.usda.gov
- Seasonal Biological Technicians – Buck Duncan & Molly Gutfeld

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