



# Arbutus ARME

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WE CELEBRATE ALL-THINGS PACIFIC MADRONE,  
HIGHLIGHTING CONSERVATION AND RESTORATION EFFORTS  
WHILE CONNECTING TREE RESEARCHERS AND ENTHUSIASTS  
ALONG THE WAY

# Arbutus ARME Annual Report 2019 Year 1

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Principle partners between City of Seattle's Parks and Recreation Department and Washington State University Plant Pathology Program



## Education

Our favorite tree is the largest species in the family *Ericaceae*. It is a true native to the Cascadian bioregion and southern range.



## Conservation

Face-to-face and use of technology to determine true range of species, monitor tree health, save seed and plant trees for the future



## Connection

Researchers and amateur madrone enthusiasts have a forum to contribute to the effort

# Highlights 2019

[First Western tree on TreeSnap app in 2018](#). Range wide data collection continued through 2019.

Published six [Arbutus ARME newsletters](#) throughout year

Two in-person workshops in Seattle and Puyallup explored madrone basics, forest ecology, pathogens, conservation efforts and propagation

Presented "[Life and Death of Madrone in PNW Forests](#)" through WSU Extension Forestry Webinars

Madrone seedlings donated to Tacoma residents taking part in Hilltop Shade Tree Program, City of Tacoma and City of Seattle

Invitation to speak at [Sound Waters University](#) on February 2020

# Education

Pacific Madrone Research Website

Newsletter

Workshops

Webinars

Social media

Online information about the effort is on <https://ppo.puyallup.wsu.edu/pmr>

Published six semi-regular newsletters to over 300 subscribers

- Topics include propagation, TreeSnap updates, news, madrone ecology and pathogens

Facilitated two workshops on February 16 in Seattle and March 23 in Puyallup

- Workshops explored madrone basics, forest ecology, pathogens, conservation efforts and propagation.

Presented “Life and Death of Madrone in PNW Forests” through WSU Extension Forestry Webinars on May 23

Maintained [arbutusarme@gmail.com](mailto:arbutusarme@gmail.com) and @arbutusarme on [Twitter](#) and [Instagram](#)

# Conservation

TreeSnap

Donated seedlings

Seed collection

Outplanting

BMP development

First Western tree on TreeSnap app in 2018. Range wide data collection through 2019.

- forty people have submitted 315 observations, encouraging people to visit edges of the range

Madrone seedlings donated to Tacoma residents taking part in Hilltop Shade Tree Program, City of Tacoma and City of Seattle

Outplanted 47 seedlings in Seattle's Discovery Park

- [Baseline data](#) & ongoing monitoring to track genotype success

Began process to develop best management practice guides through WSU Extension

# Research

Common gardens

Foliar pathogens

Outplanting

Range wide common garden tests will quantify variation in severity of madrone health problems, identify resistant/resilient sources, and predict extent of madrone health problems in forests containing this species now, and in future climates.

Identification of the fungal pathogens involved in leaf blight is ongoing.

Outplanted 47 seedlings in Seattle's Discovery Park

- [Baseline data](#) & ongoing monitoring to track genotype success

# 2020 Workplan

## Ongoing

- Propagation of madrone at Seattle's Jefferson Greenhouse
- Development of BMPs related to propagation and cultivation
- Periodic Arbutus ARME newsletters distributed via MailChimp

## February

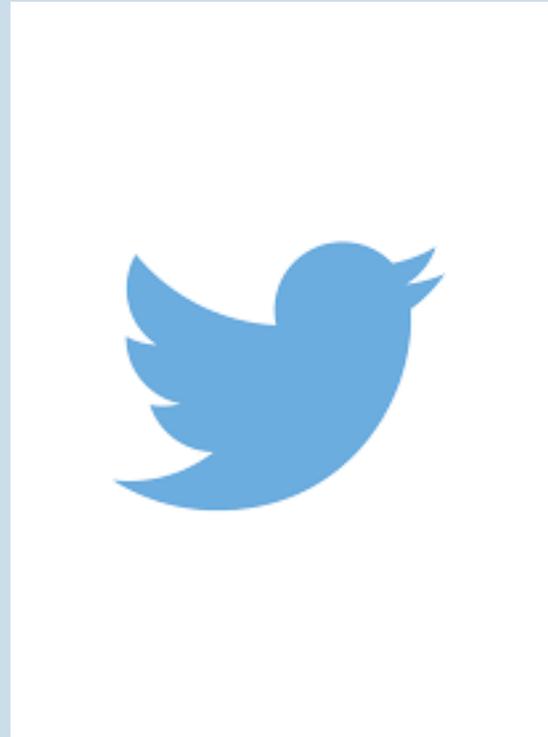
- Present "Life and Death of Madrone in PNW Forests" at [Sound Waters University](#) on February 1
- Present madrone health issues at the WSU Forestry Extension [Forest Owners Winter School](#) on February 29

## March

- Table at the South Sound Sustainability Expo at Tacoma Convention Center on March 14
- Monitoring of madrone seedlings outplanted in 2019/20 season

## Late Fall/Early Winter

- Seed collection



# Socials

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[arbutusarme@gmail.com](mailto:arbutusarme@gmail.com)

@arbutusarme on [Twitter](#) and [Instagram](#)

[Mailchimp newsletters](#)