



Home Gardening Advice

Downloadable fact sheets from *Gardening in Washington State*:

<http://gardening.wsu.edu/home/>



Use the navigation menu to find a fact sheet. To read it, click on the “download now” button and either read the document online or print it from your computer. Almost all are free of charge, but (\$) means there is a fee for that publication.

Fruit/Vegetable Gardening:

- EM057E Home Vegetable Gardening in Washington
- FS075E Raised Beds-Deciding if they Benefit Your Vegetable Garden
- PNW656 Blueberry Cultivars for the Pacific Northwest
- EB2023E Chip Bud Grafting in Washington State Vineyards
- FS118E Carrots
- FS111E Cover Crops for Home Gardens in West of the Cascades
- FS096E Cucumbers
- FS135E Dry Beans in Home Gardens
- FS149E Eggplant
- FS115E Growing Food in Parking Strip or Front Yard Gardens
- FS162E Garlic
- FS088E Green Beans
- FS116E Green Peas
- PNW0853E Lingonberry Production Guide for the Pacific Northwest
- FS119E Methods for Successful Cover Crop Management in Your Home Garden
- FS097E Onions
- FS220E Peppers
- FS165E Potatoes
- FS258E Quinoa
- FS127E Radishes

- EM103E Small Fruits for the Home Garden
- FS087E Squash
- EC1618 Strawberry Cultivars for Western Oregon and Washington
- FS104E Sweet Corn
- PNW655 Raspberry Cultivars for the Pacific Northwest
- FS145E Tomatoes
- FS052E Vegetable Grafting: Eggplants and Tomatoes
- FS052ES Vegetable Grafting: Eggplants and Tomatoes (Spanish)
- FS100E Vegetable Grafting: Watermelon
- FS100SE Vegetable Grafting: Watermelon (Spanish)
- FS051E Vegetable Grafting: The Healing Chamber
- PNW0605 Wasabi in the Pacific Northwest

Soils & Composting:

- EB1784E Backyard Composting
- FS147E Biochar: A Gardener's Primer
- FS167E Dust Mulch Efficacy in Gardens and Landscapes
- FS308E Epsom Salt Use in Home Gardens and Landscapes
- FS342E Garden Fertilizer Calculator
- FS307E Gypsum Use in Home Gardens and Landscapes
- EM063E Home Gardeners Guide to Soils and Fertilizers
- FS269E Mycorrhizae: Understanding How They Work and Learning to Protect Them
- FS123E Organic Soil Amendments in Yards and Gardens
- FS163E Rubber Mulch Use in Home Landscapes
- FS160E Using Arborist Wood Chips as a Landscape Mulch
- FS156E Using Biosolids in Gardens and Landscapes
- FS207E Using Coffee Grounds in Gardens and Landscapes
- FS134E Washing Plant Tissue Samples for Mineral Nutrient Analysis

General Gardening:

- EM026E Backyard Forest Stewardship in Western Washington
- FS325E Black Walnut Tree Allelopathy
- EM100E Scientific Literacy for the Citizen Scientist
- FS030E Drip Irrigation for the Yard and Garden
- EM087E Drought Tolerant Landscaping for Western Washington
- FS196E Environmental Injury: Cold Temperature Injury of Landscape Woody Ornamentals
- FS199E Environmental Injury: Frost Cracks
- FS197E Environmental Injury: Sunscald and Sunburn on Trees
- FS239E Environmental Injury: Winter Burn of Evergreens
- FS089E Floating Row Covers

- FS309E How Are Hydrangea Flower Colors Determined?
- FS283E Hügelkultur: What is it, and should it be used in Home Gardens?
- EM091 Identifying, Treating, and Avoiding Azalea and Rhododendron Problems
- FS209E Leaf Reddening – Causes and Treatment
- FS300E Native and Nonnative Trees and Shrubs – Impact on Landscape for Wildlife
- FS106E Ornamental Grass Threatens Native Biodiversity
- EM096E Ornamental Trees for Narrow Spaces
- FS047E Planting Trees and Shrubs in the Landscape
- EM015 Portable Field Hoop House
- PNW152 Propagating Deciduous and Evergreen Shrubs, Trees, Vines with Stem Cuttings
- PNW496E Propagating Plants by Grafting and Budding (\$)
- PNW164 Propagating Plants from Specialized Structures
- FS091E Protecting Water Resources: Planting and Caring for Home Wetlands
- FS131E Pruning Equipment for Home Gardeners
- FS182E Reasons to Prune Trees and Shrubs in Home Gardens
- FS246E Roses in Washington State: Common Diseases and Insect Problems
- FS166E Roses in Washington State: Planting Roses
- FS164E Roses in Washington State: Rose Care Calendar
- FS056E Seasonal Foliage Loss of Pacific NW Conifers
- FS206E Seeding After Fire
- EM089E Selecting Plants for Screens and Hedges
- FS299E Therapeutic Gardening
- FS055E Tree Health Assessment
- FS061E Tree Topping: A Practice to Avoid
- EM107E Urban Tree Canopy in Washington State
- FS329E Using Cereal Straw Bales in Home Gardens
- Water Quality for Homeowners

Lawns:

- FS200E Fine Fescues
- EB0482 Home Lawns
- FS098E Kentucky Bluegrass for use in Home Lawns in Washington
- FS058E Phosphorus and Home Lawns

Beneficial Insects/Pollinators:

- EM067E Beneficial Insects, Spiders and Mites in Your Garden: Who They Are and How to Get Them to Stay
- PNW544 Beneficial Nematodes
- FS263E Bumble Bees in Washington State Home Yards and Gardens
- FS293E Cavity-Nesting Bees in Puget Sound Region
- EM113E Common Spiders of Washington

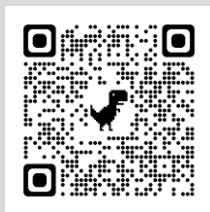
- FS152E European Paper Wasp
- FS268E Lady Beetles: Should We Buy Them for Our Gardens?
- FS174E Pollination and Pollinator Protection (Bees & Others)
- FS296E The Larger Moths Found in Washington State
- EM110E Wild Bees and Floral Visitors in Western Washington

Disease/Pest Management:

- FS079E Brown Marmorated Stink Bug
- EB2007E Butterfly Bush
- EB1380E Bronze Birch Borer
- FS085E California Fivespined Ips- A New Pine Engraver in WA State
- FS155E Cherry Bark Tortrix
- FS120E Codling Moth and Your Backyard Fruit Trees
- FS326E Cornmeal and Corn Gluten Meal Applications in Gardens and Landscapes
- FS330E Efficacy & Environmental Consequences of Kelp-based Garden Products
- FS078E European Chafer
- FS010E Insect Answers: The Cabbage Maggot in the Home Garden
- FS009E Lecanium Scale
- FS084E Lily Leaf Beetle
- FS146E Mole Management in WA Backyards
- PNW649 Natural Insecticides
- FS128E Organic Fungicides for the Home Gardener
- EM066E Organic Pest Management in Backyard Fruit and Berry Patches
- PNW640 Organic Management of Flea Beetles
- FS161E Pesticide Ingredient: Acetic Acid (Vinegar)
- FS184E Pesticide Ingredient: Horticultural Oil
- FS210E Pesticide Ingredient: Neonicotinoids
- FSIPM001E Pesticides: Learning About Labels
- FSIPM002E Pesticides: Safe Handling
- EM101E Pest Management Guide for Apples in Washington Home Orchards
- PNW616 Physiological Leaf Roll of Tomato
- FS280E Potential Contaminants in Residential Rain Barrel Water
- PNW603E Protecting Grapevines from Winter Injury
- EB1928 Protecting Home Apple Trees from Apple Maggots
- FS231E Rabbit and Hare Management in WA State Home Yards and Gardens
- FS057E Recognizing Sapsucker Damage on Your Trees
- FS202E Viburnum Leaf Beetle
- FS094E Vole Management in Home Backyards and Gardens
- FS125E Western Cherry Fruit Fly and Your Backyard Cherry Tree
- FS143E What is Tunneling in My Yard?

Downloadable fact sheets from *WSU Publications Store*:

<http://pubs.extension.wsu.edu>



General Gardening:

- Forestry Education and Assistance for WA Forest & Woodland Property Owners
- EM107E A Guide to Washington State's Urban Tree Canopy
- FS338E A Grower's Guide to the Most Common Diseases of Peony in the United States
- FS171E Anaerobic Digestion Effluents and Processes: The Basics
- FS297E Anthracnose Canker Integrated Management Plan for Home Gardeners
- FS055E Assessing Tree Health
- EM087E Drought Tolerant Landscaping for Washington State
- FS344E Field and Hedge Bindweed: Identification and Biological Control
- PNW590 Fire-Resistant Plants for Home Landscapes (\$)
- MISC545E Gardening for Life
- EM2869E Growing Flowers from Bulbs
- PNW507 Growing Kiwi Fruit
- FS360E Growing Rhubarb in Home Gardens
- EM068E Growing Winegrapes in Maritime Western Washington
- MISC0273 Grow Your Own Native Landscape: A Guide to Identifying, Propagating & Landscaping with W. WA Native Plants (\$)
- FS181E How to Determine your Garden Microclimate
- PNW627 Meadow Voles and Pocket Gophers (\$)
- EB1382E Moisture Ants
- MISC0194 Landscape Plant Problems: A Pictorial Diagnostic Manual (\$)
- PNW0170 Propagating Plants from Seed
- FS375E Sooty Bark Disease Diagnostic Guide
- PNW400 Training and Pruning Your Home Orchard (\$)
- PNW0005 Trees Against the Wind
- PNW299 Turfgrass Seeding Recommendations for the Pacific Northwest
- EM106E Shore Stewards Guide for Shoreline Living
- EB2000E Silviculture for Washington Family Forests
- EM038E Simple Homemade Forestry Tools for Resource Inventories
- PNW646 Soil Fertility in Organic Systems: A Guide for Gardeners & Small Acreage Farms
- FS049E Spotted Wing Drosophila
- EM118E Understanding and Measuring Organic Matter in Soil
- EB1990E Western Washington Field Guide to Common Small Fruit Root Weevils

- FS124E Why Backyard Fruit Trees are not for Everyone
- MISC0274 Winter in the Woods: A Winter Guide to Deciduous Native Plants in Western Washington (\$)

Food Storage/Canning:

- PNW199 Canning Fruits
- PNW300 Canning Tomatoes and Tomato Products
- PNW172 Canning Vegetables
- PNW397 Drying Fruits and Vegetables (\$)
- C1117E Food Preservation Resources
- FS359E Food Preservation for Special Diets: Adjusting Sugar & Sodium When Preserving at Home
- PNW214 Freezing Fruits and Vegetables
- PNW747 Guide to Using and Caring for Your Electric Programmable Pressure Cooker
- PNW664 Making Garlic and Herb Infused Oils at Home
- FS232E Making Jams, Jellies, and Fruit Spreads
- PNW632 Making Jerky at Home Safely
- PNW729 Pantry Pest Guide: Common Insect Culprits in Homes and Kitchens of the Pacific Northwest
- PNW355 Pickling Vegetables
- FS233E Preserving Berries
- FS238E Preserving Berry Syrups at Home
- FS303E Preserving Pumpkin and Winter Squash
- PNW720 Proper Egg Handling: From Farm or Grocery Store to Table
- PNW395-D Salsa Recipes for Canning – Digital
- PNW735 Slow Cooking from Start to Finish
- EB1326E Storing Fruits and Vegetables at Home
- PNW421 Using and Caring for Your Pressure Canner

Rain Gardens:

- **WSU Rain Garden Webpage** - <https://extension.wsu.edu/raingarden/>



- **Building a Rain Garden in the Pacific Northwest Video on YouTube**



<https://www.youtube.com/watch?v=9Kti4HJ45BM>

- **12,000 Rain Gardens in Puget Sound** - <https://www.12000raingardens.org/>



Do you have a gardening, composting, or recycling question?

The WSU Master Gardener and Master Recycler Composter volunteers of Thurston County can help answer your gardening, composting, recycling, and waste reduction questions for FREE.

Our certified volunteers are available to answer your questions via email only. Currently, they do not have access to answer questions via the phone or in-person at the Extension office. Please use the following email to submit your questions. For a list of current services please check our website.

Email: master@co.thurston.wa.us

Website: <http://extension.wsu.edu/thurston> (click on the WSU Master Gardener or Master Recycler Composter heading on the home page)

WSU Master Gardener Services of Thurston County:



<http://extension.wsu.edu/thurston/>

Our Thurston County program is part of the statewide WSU Extension Master Gardener program which combines horticulture training and public service. WSU Master Gardener volunteers are trained and certified as community educators to provide professional, unbiased, researched-based home gardening and horticulture information to the public through the following avenues:

- Community education classes and workshops (Schedule changes yearly, most are free)
- Free question/answer plant clinic (visit our website for more information)
- Demonstration learning gardens- Closed Loop Park in Lacey, Dirt Works in west Olympia and Olympia Farmers Market Garden in downtown Olympia.
- Local gardening resources and quarterly e-newsletter.

To learn more about any of these services please contact us at:

- Email: master@co.thurston.wa.us
- Phone: 360-867-2163



WSU Master Gardener Program of Thurston County

Master Recycler Composter Program of Thurston County:



<http://extension.wsu.edu/thurston/>

This Thurston County based program trains volunteers how to become community educators on solid waste issues such as waste reduction, recycling, and composting. In exchange for on-going, researched-based, unbiased training, participants agree to volunteer as community educators to share waste reduction information with the citizens of Thurston County. This includes:

- Community education classes and workshops (Schedule changes yearly, most are free)
- Trained volunteers participate in various service projects related to waste reduction throughout Thurston County.
- Composting demonstration gardens- Closed Loop Park in Lacey, Dirt Works in west Olympia and Olympia Farmers Market Garden in downtown Olympia.
- Local composting and waste reduction resources and quarterly e-newsletter.

To learn more about any of these services please contact us at:

- Email: master@co.thurston.wa.us
- Phone: 360-867-2163



Thurston County Master Recycler Composters

Master Gardener Foundation of Thurston County (MGFTC):



www.mgftc.org A 501(c)(3) non-profit organization

MGFTC provides financial and in-kind support provides financial and in-kind support to the WSU Thurston County Extension Master Gardener Program and Master Recycler Composter Program of Thurston County. The Foundation also provides educational workshops and events, plant sales, handicraft sales, tool sales, and other fundraisers for the public throughout Thurston County.