



HOP PLANT PROPAGATION TIPS

Compliments of the Clean Plant Center Northwest

Planting clean: sourcing and expanding virus-tested material in the Pacific Northwest region

In the Pacific Northwest—the largest hop growing region in the United States—stakeholders have established quarantine requirements to prevent the introduction of pathogens from outside the region. Hop propagation material may be exchanged between Washington, Oregon, and Idaho, but cannot be brought in from sources outside of those three states. The following list of propagators is provided to help PNW hop growers in selecting local resources for hop planting material.

The Clean Plant Center Northwest at Washington State University provides this list as a courtesy only; inclusion on the list does not indicate endorsement by CPCNW or WSU.

Company/Organization	Contact Information	Location by State	Greenhouse propagation services	Tissue culture propagation services	Virus testing & elimination services
Cascade Custom Plants Mabton, WA	Robert Gannon 509-391-0024 cascadepplants@gmail.com	Washington	✓		
Clean Plant Center Northwest 24106 N Bunn Road Prosser, WA 99350 http://healthyplants.wsu.edu/	Dr. Ken Eastwell, Director 509-786-9385 keastwell@wsu.edu	Washington			✓
Mountain Shadow Nursery P.O. Box 110 Littlerock, WA 98556	Steve McCulloch 360-459-4116; cell 360-280-7583 steve@mtshadow.com	Washington		✓	
Outlook Growers Sunnyside, WA	Mike Van Wingerden (509) 840-4562 Matt Van Wingerden (509) 840-4563 mandmngrowers@hotmail.com	Washington	✓		
Arbor Grove Nursery 21245 Arbor Grove Rd. N.E. St. Paul, OR 97137 AGNursery.com	Victoria Ernst, Sales & Mkt Mgr 503-678-2991 sales@AGNursery.com	Oregon	✓	✓	
F&B Farms 10498 Geschwill Lane Woodburn, OR 97071	Fred Geschwill 503-932-6678	Oregon	✓		
Microplant Nurseries, Inc. 11888 Treco Lane, P.O. Box 237 Gervais, OR 97026 www.microplantnurseries.com	Gayle Suttle, General Mgr. 503-792-3696 gayle@microplantnurseries.com	Oregon		✓	
Xplant Laboratory, Inc. Portland, OR http://xplant.com/	Larry Stauffer 503-793-3334	Oregon		✓	
Elk Mountain Farms 822 Budweiser Loop Bonners Ferry, ID 83805	Ed Atkins 208-267-8569	Idaho	✓		



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What is the difference between *Certified* and *Foundation* hop plants?

The term *Certified* is legally defined by each State's Dept. of Agriculture, and is the result of a healthy plant being propagated using procedures to minimize infection and disease spread. Certified nurseries maintain *mother plants* according to the State's certification requirements, and from these mother plants certified plants are produced and sold to growers.

Mother plants are established using material from *Foundation* programs, such as the one at the Clean Plant Center Northwest. The hop foundation stock at Clean Plant Center Northwest meets or exceeds the quarantine and certification requirements in the clean plant stock programs of ID, OR and WA.

Producing a single hop plant that is tested and free of a long list of diseases (viruses and bacteria) is time-consuming and it is too expensive to produce acres of hop plants that have each been tested to this standard. To make disease control practical, a plant of each variety is subjected to an extensive and approved pathogen elimination and testing procedure. These *foundation plants* are then propagated by nurseries following a protocol defined by each state to minimize re-infection and to minimize the risk of intermingling plants of different cultivars. The plants produced this way, by state-certified nurseries, are called *certified plants*. Growers should obtain certified plants from certified nurseries whenever possible.

A limited amount of *foundation* material can be obtained directly from the Clean Plant Center Northwest and propagated by growers and nurseries that are not part of a state certified program. These propagated plants cannot be sold as *certified* plants.

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