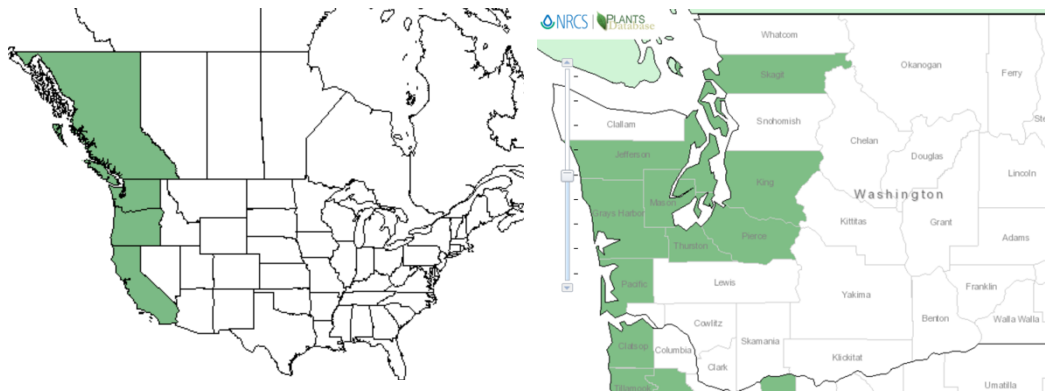


Plant Propagation Protocol for *Vaccinium ovatum*

ESRM 412 – Native Plant Production

Protocol URL: <http://courses.washington.edu/esrm412/protocols/VAOV2.pdf>



TAXONOMY

Plant Family	Ericaceae
Scientific Name	Ericaceae
Common Name	Heath Family
Species Scientific Name	
Scientific Name	<i>Vaccinium ovatum</i> Pursh var. <i>ovatum</i>
Varieties	var. <i>ovatum</i>
Sub-species	N/A
Cultivar	N/A

Common Synonym(s)	<i>Vaccinium lanceolatum</i> <i>Vaccinium ovatum</i> var. <i>sporovum</i> <i>Vaccinium samperverens</i> <i>Metagonia ovata</i>
Common Name(s)	Evergreen Huckleberry California Huckleberry
Species Code (as per USDA Plants database)	VAOV2
GENERAL INFORMATION	
Geographical range	CAN N – Canada Native L48 N – Lower 48 States Native See map above ²
Ecological distribution	N/A
Climate and elevation range	Near sea level to 3,000 feet ³
Local habitat and abundance	Abundant in Coast Ranges and Central Sierra Nevada, not as abundant in the Cascades ³ Dry slopes and sandy heathy places ⁴
Plant strategy type / successional stage	Persistent ³
Plant characteristics	Evergreen shrub 2.5m (8'2") Slow growing 2-5cm glossy leaf blades, ovate, leathery and serrate Pink Urn-shaped flowers 6-9mm purple/black berries ⁶
PROPAGATION DETAILS	
Ecotype	Coniferous Forest (Pojar 59) ³
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container (plug)
Stock Type	Flats
Time to Grow	18 months ⁴
Target Specifications	5cm ⁴
Propagule Collection Instructions	Seeds should be collected after fruit ripens to a purplish-black berry in August to September (Young). Shake berries of a bush onto a ground cover or bucket for quick collection. To recover seeds from pulp, chill fruits at 10C for several days then shred in a blender, add water, and seeds will float to the top for collection (Young) ³
Propagule Processing/Propagule Characteristics	Dry seeds after collection at room temperature for 48hr and store in cool place for years (Young). Seeds dried at 15-21°C for two days can be stored in a refrigerator for up to 12 years (Stevens). Seed Density: 4,300 seeds/gram (Young) ³
Pre-Planting Propagule Treatments	Stored seeds, needs 3 months of cold stratification ⁴

Growing Area Preparation / Annual Practices for Perennial Crops	Sow seeds in a greenhouse, lime-free potting mix ⁴ Put seeds in individual pots and keep them in a lightly shaded area in the greenhouse for the first winter. Replant during late spring or early summer ⁴
Establishment Phase Details	The seeds will germinate 30 days after sowing, they need to be replaced into bigger pots ⁵
Length of Establishment Phase	1 month ⁵
Active Growth Phase	Fertilize with Nutricote NPK (13-13-13) 3 months fertilize regularly ⁵
Length of Active Growth Phase	1 year ³
Hardening Phase	N/A
Length of Hardening Phase	N/A
Harvesting, Storage and Shipping	N/A
Length of Storage	12 years ⁶
Guidelines for Outplanting / Performance on Typical Sites	Regular watering for the first growing season for deep root system ⁶
Other Comments	
INFORMATION SOURCES	
References	See below
Other Sources Consulted	
Protocol Author	Michelle Koo
Date Protocol Created or Updated	05/19/19

¹ Bing, Microsoft, 19 May 2019, www.bing.com/images/search?view=detailV2&id=E29B19A9806A9EABB5C956B4921EE0335BAE902E&thid=OIP_g8NQPLFIVR1WOzXegW0awHaFj&exp=576&expw=768&q=evergreen%2Bhuckleberry%2B%3D%2BVaccinium%2Bovatum&selectedIndex=8&vt=0&eim=1%2C2%2C6.

² “Vaccinium Ovatum Pursh Show All California Huckleberry.” *Plants Profile for Vaccinium Ovatum (California Huckleberry)*, 19 May 2019, plants.usda.gov/core/profile?symbol=VAOV2.

³ <http://courses.washington.edu/esrm412/protocols/VAOV2.pdf>

⁴ Pursh. “Edible Shrubs.” *Pfaf Plant Search*, 19 May 2019, pfaf.org/user/Plant.aspx?LatinName=Vaccinium%2Bovatum.

⁵ Young, Betty. “Native Plant Network.” *Reforestation, Nurseries and Genetics Resources*, 19 May 2019, nnp.rngr.net/renderNPNProtocolDetails?selectedProtocolIds=ericaceae-vaccinium-678.

⁶ Stevens, Michelle. “Evergreen Huckleberry.” *USDA*, 1 Jan. 2017, plants.usda.gov/plantguide/pdf/cs_vaov2.pdf.