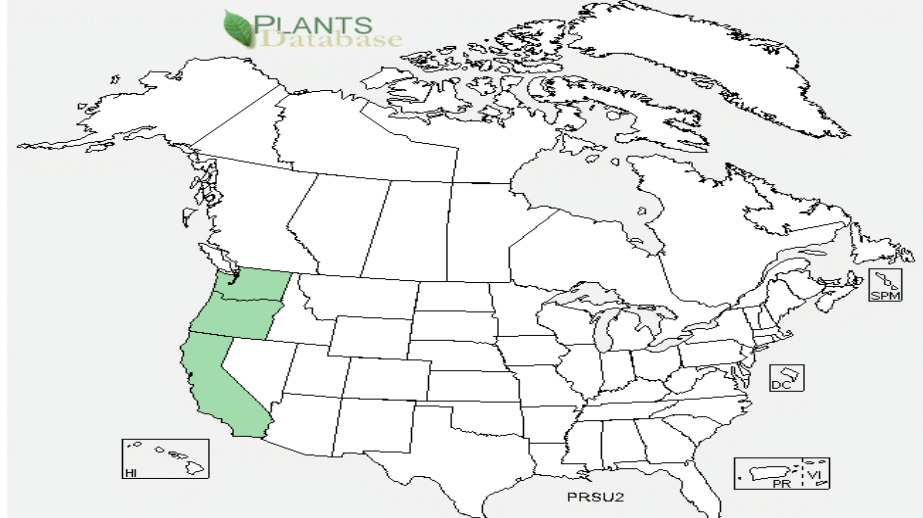


Plant Propagation Protocol for *Prunus subcordata*
 ESRM 412 – Native Plant Production



Photo courtesy of <http://biology.burke.washington.edu/herbarium/imagecollection.php>

TAXONOMY	
Family Names	
Family Scientific Name	Rosaceae (1)
Family Common Name	Rose Family (1)
Scientific Names	
Genus	<i>Prunus</i> (1)
Species	<i>subcordata</i> (1)
Species Authority	Benth (1)
Variety	<i>Prunus subcordata</i> Benth. var. <i>kelloggii</i> , <i>Prunus subcordata</i> Benth. var. <i>oregana</i> , <i>Prunus subcordata</i> Benth. var. <i>rubicunda</i> , <i>Prunus subcordata</i> Benth. var. <i>subcordata</i> (1)
Sub-species	
Cultivar	
Authority for Variety/Sub-species	Lemmon, (Greene) W. Wight ex M. Peck, Jeps (1)
Common Synonym(s) including variety or subspecies information)	<i>Prunus subcordata</i> var. <i>subcordata</i> (4)
Common Name(s)	Klamath plum (1) Sierra plum (4)

	Oregon Plum (7)
Species Code (as per USDA Plants database):	PRSU2 (1)
GENERAL INFORMATION	
Geographical range	 <p>See U.S. county distributions (when available) by clicking on the map or the linked states below: USA (CA, OR, WA) (1)</p>
Ecological distribution (ecosystems it occurs in, etc):	Yellow Pine Forests (4)
Climate and elevation range	0-6000 feet (4)
Local habitat and abundance; may include commonly associated species	Grows near stream banks to dry hillsides and open pine woodlands (2) Commonly associated with Hawthorne (6)
Plant strategy type / successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)	Can survive in coarse, textured soils. Shade intolerant species with a pH minimum of 6.5 and maximum of 7.5 (1) Survives in well-drained loamy soil, growing well on limestone (5)
Plant characteristics (life form (shrub,	Tree/Shrub (1)

grass, forb), longevity, key characteristics, etc)	Deciduous with grayish-purple bark. Leaves are ovate to obovate, serrate. The inflorescence is an umbel with 1-4 flowers. Drupe is dark red to reddish-purple (2) Thicket-forming shrub or small tree to 20 feet. Stiff, crooked horizontal branches. Perennial species (3)
PROPAGATION DETAILS	
Ecotype	
Propagation Goal	Seed (5)
Propagation Method	Seed (5)
Product Type	Container (5)
Stock Type	
Time to Grow	18 months (5)
Target Specifications	
Propagule Collection	
Propagule Processing/Propagule Characteristics	Minimum planting density per acre: 200 Maximum planting density per acre: 2500 (1) 2-3 months cold stratification. Sow the stored seeds in a cold frame early in the year (5)
Pre-Planting Propagule Treatments	
Growing Area Preparation / Annual Practices for Perennial Crops	Prick out seedlings into individual pots when large enough. Can grow in a greenhouse or cold frame for first winter
Establishment Phase	18 months (5)
Length of Establishment Phase	
Active Growth Phase	Spring and Summer (1)
Length of Active Growth Phase	
Hardening Phase to the development of cold-hardiness and preparation for winter	
Length of	

Hardening Phase	
Harvesting, Storage and Shipping (of seedlings)	
Length of Storage (of seedlings, between nursery and outplanting)	
Guidelines for Outplanting / Performance on Typical Sites	Outplant the seedlings in late spring to early summer of following year. Cuttings of half-ripe wood can be planted in July/August in frame. Softwood cuttings in a frame as well (5)
Other Comments	
INFORMATION SOURCES	
References (full citations)	<p>(1). Prunus subcordata Benth. USDA Plant Database. May 18, 2010 http://www.plants.usda.gov.</p> <p>(2). Prunus subcordata. The Burke Museum of Natural History and Culture. May 18, 2010 http://biology.burke.washington.edu/herbarium/imagecollection.php.</p> <p>(3). Native Plant Database. The University of Texas at Austin. May 18, 2010 http://www.wildflower.org/plants/result.php?id_plant=PRSU2.</p> <p>(4). Prunus subcordata. California Native Plant Link Exchange. May 18, 2010 http://www.cnplx.info/nplx/species?taxon=prunus+subcordata.</p> <p>(5). Prunus subcordata-Benth. Plants for a Future. May 18, 2010 http://www.pfaaf.org/database/plants.php?Prunus+subcordata.</p> <p>(6). Northwest Native Trees. Native Plants of the Northwest. May 18, 2010. http://www.nwplants.com/business/catalog/trees.html.</p> <p>(7). Prunus subcordata. Nation Master. May 18, 2010 http://www.statemaster.com/encyclopedia/Prunus-subcordata.</p>
Other Sources Consulted	<p>Petrides A., Geroge. 1998. Trees of the Pacific Northwest. 60 p.</p> <p>Klamath Plum. Virginia Tech. May 18, 2010 http://www.fw.vt.edu/DENDRO/DENDROLOGY/syllabus/factsheet.cfm?ID=472.</p> <p>Klamath Plum (Prunus subcordata). Sagebud. May 18, 2010 http://www.sagebud.com/klamath-plum-prunus-subcordata/.</p>

Protocol Author	Chelsey Jay
Date Protocol Created or Updated	05/18/10

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