Plant Propagation Protocol for *Menziesia ferrunginea Sm.* ESRM 412 – Native Plant Production

Protocol URL: https://courses.washington.edu/esrm412/protocols/MEFE.pdf



TAXONOMY		
Plant Family		
Scientific Name	Ericaceae	
Common Name	Heath family	
Species Scientific		
Name		
Scientific	Menziesia ferruginea Sm.	
Varieties	Menziesia Ferrunginea var glabella M. Peck	
Sub-species		

Cultings		
Cultivar	Managing farming Co. V1-L-11- (A. C.) M. D. 1	
Common Synonym(s) \	Menziesia ferruginea Sm. Var. glabella (A. Gray) M. Peck	
	Menziesia glabellaa A. gray	
	Menziesia ferruginea Sm. Ssp. Glabella (A. Gray) Calder & Roy	
Common Name(s)	Rusty menziesia or Fool's Huckleberry	
Species Code (as per	MEFE	
USDA Plants		
database)		
GENERAL INFORMATION		
Geographical range	The Rusty menziesia lives throughout and is nateive to western	
	America in the states of AK, CA, ID, MT, OR, WA, and WY. The	
	plant also lives in parts of Canada, specifically AB, and BC. (USDA	
	Database)	
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Ecological distribution	Fool's huckleberry lives in dry to wet forests in the lowland, montane	
201081041104110411041	and subalpine zones. (Klinkenberg, 2013)	
Climate and elevation	Elevation: 935 average, minimum 0, Maximum 2750. (Klinkenberg,	
range	2013)	
Tunge	Climate: Unknown or variable (Meidinger et al. 2008)	
Local habitat and	The rusty menziesia is located in almost all of western and western-	
abundance	central Washington. (USDA Database)	
	Could not find what the local abundance is, but the number of field	
	plots species was recorded as 7466. (klinkenberg 2013)	
Plant strategy type /	This shrub is a dominant species in habitat types (Habeck1992)	
successional stage		
Plant characteristics	This plant is a shrub. The general characteristics are shrubs that are	
	3.3 to 6.6 feet tall with leaves that are 1.5 to 2.5 inches long. The	
	leaves should have a skunky odor when crushed. (Green 1984)	
	Naturally numerous small seeds are produced in capsules which	
	dehisce naturally when mature. The wind or gravity then disperses	
	them. Menziesia sprouts from root crowns and adventitious stem buds	
	after destruction of aboveground parts. (Habeck1992)	
	PROPAGATION DETAILS	
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Ecotype	Not specified	
Propagation Goal	The only thing I could find of re-growing this species was of	
1 6	clippings. (klinkenberg 2013)	
Propagation Method	No information	
Product Type	No information	
Stock Type	Not specified	
Time to Grow	Not specified, but this is a biannual plant.	
Target Specifications		
Propagule Collection	Menziesia flowers from late May through July; capsules mature in	
Instructions	July and August, so this would be the time to collect seeds. (Viereck	
	1972)	
Propagule	Could find no information.	
Processing/Propagul		
e Characteristics		
Pre-Planting Propagule	Rusty Menziesia cannot be used as an ornamental because it requires	
Treatments	a special soil fungus to survive that does not thrive when transplanted.	
	(Spear Cooke)	
Growing Area	Should have soil that is moist, humus rich, and well drained.	
Preparation / Annual	("Menziesia Ferrunginea")	
Practices for	NOTE: This is from private nursery so information may not be 100%	
Perennial Crops	accurate.	
Establishment Phase	No information found	
Details		
Length of	No information found	
Establishment Phase		
Active Growth Phase	No information found	
Length of Active	No information found	
Growth Phase		
Hardening Phase	No information found	
Length of Hardening	No information found	
Phase		
Harvesting, Storage	No information found	
and Shipping		
Length of Storage	No information found	
Guidelines for	No information found	
Outplanting /		
Performance on		
Typical Sites	NT C C 1	
Other Comments	No information found	
INFORMATION SOURCES		
References	Klinkenberg, Brian. (Editor) 2013. E-Flora BC: Electronic Atlas of the Plants	
	of British Columbia [eflora.bc.ca]. Lab for Advanced Spatial Analysis, Department of Geography, University of British Columbia, Vancouver.	
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	Pojar, J., MacKinnon, A. (1994). <i>Plants of the Pacific Northwest Coast.</i> Lone Pine Publishing Vancouver British Columbia.
Protocol Author	Lauren Kmiechick
	Original Protocol link:
	http://depts.washington.edu/propplnt/Plants/Menziesia_ferruginea.htm
Date Protocol Created	04/20/2014
or Updated	

ORIGINAL PROTOCOL:

Menziesia ferruginea- false azalea, fool's huckleberry

Range: Alaska south along the coast and in the Cascades to Northern California. (Spear Cooke 1997)

Climate, elevation: From sea level to subalpine in the northern half of our region; in montane to subalpine forests from Vancouver Island south. (Pojar 1994)

Local occurrence:

Habitat preferences: Shady to open coniferous woods with acid humus, moist slopes, streambanks. (Pojar 1994) Also found in hummocks in scrubshrub wetlands. (Spear Cooke 1997)

Plant strategy type/successional stage: Most always associated with cold, wet habitat types, very shade tolerant. (Habeck 1992)

Associated species: Overstory; subalpine fir (Abies lasiocarpa), Pacific silver fir (A. amabilis), western redcedar (Thuja plicata), mountain hemlock (Tsuga mertensiana), western hemlock (T. heterophylla), and Engelmann spruce (Picea engelmannii). Understory; blue huckleberry (Vaccinium globulare), smooth woodrush (Luzula hitchcockii), and on higher sites, white rhododendron (Rhododendron albiflorum). (Habeck 1992)

May be collected as: Not specified.

Collection restrictions or guidelines: Flowers from late May thru early July. (Habeck 1992)

Seed germination: Little information is available on the propagation of this species. It appears to be capable of layering, and the seeds are wind or gravity dispersed. (Habeck 1992)

Seed life: Not specified.

Recommended seed storage conditions: Not specified.

Propagation recommendations: Requires a special soil fungus to survive that does not thrive when transplanted. (Spear Cooke 1997)

Soil or medium requirements: Not specified.

Installation form: Not specified.

Recommended planting density: Not specified.

Care requirements after installed: Not specified.

Normal rate of growth or spread: Not specified.

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Habeck, R. J. 1992. Menziesia ferruginea. In: Fire Effects Information System, [Online]. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (Producer). Available: http://www.fs.fed.us/database/feis/ [2014, June 92004, May 17].

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Data compiled by: Jennifer Boardman, 05/17/2004

My original protocol:

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