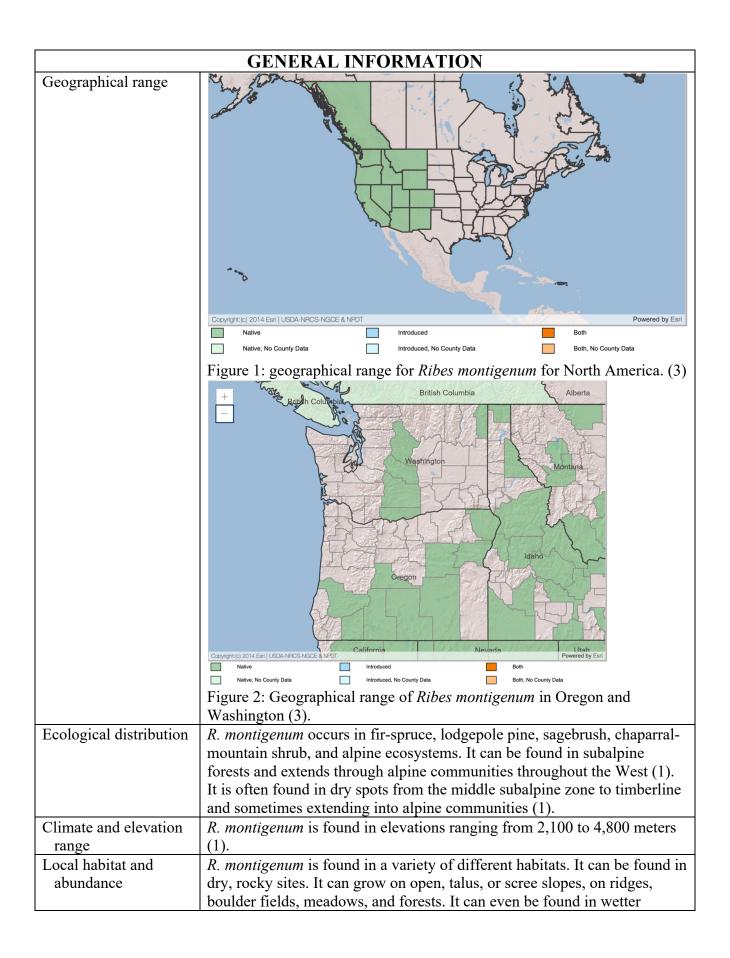
Plant Propagation Protocol for *Ribes montigenum McClatchie* ESRM 412 – Native Plant Production

URL: https://courses.washington.edu/esrm412/protocols/2023/RIMO2.pdf



Photos by G. D. Carr, Left: 2012 Right: 2011 (5)

TAXONOMY		
Plant Family		
Scientific Name	Grossulariaceae	
Common Name	Currant	
Species Scientific		
Name		
Scientific Name	Ribes montigenum McClatchie (2).	
Varieties	No information found.	
Sub-species	No information found.	
Cultivar	No information found.	
Common Synonym(s)	Limnobotrya montigena (McClatchie) Rydb.	
	Ribes lacustre (Pers.) Poir. var. molle A. Gray	
	Ribes lentum (M.E. Jones) Coville & Rose	
	Ribes nubigenum McClatchie (3)	
Common Name(s)	Gooseberry currant, mountain gooseberry, subalpine prickly currant, western prickly gooseberry (1)	
Species Code (as per	RIMO2 (3)	
USDA Plants		
database)		
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	habitats, such as along streams or wet forests. It is most abundant on sites without forest canopy. Some of the commonly associated species are <i>Acer glabrum, Amelanchier</i> spp., <i>Arctostaphylos uva-ursi, Vaccinium spp.</i> , and	
Plant strategy type / successional stage	more. (1). R. montigenum is adapted to coarse and medium textured soils. It has high drought tolerance and medium fire tolerance (3). It is somewhat shade tolerant, it can grow in dense forests with few canopy openings but it does the best in areas with no forest canopy (1). After a fire event, R. montigenum is a ground residual colonizer (a plant species that establishes after a disturbance from soil-stored seed that was already on site prior to the disturbance) and makes up part of the initial community (1).	
Plant characteristics	R. montigenum is a shrub that can be between 0.3-0.9 meters tall (8). The stems are spreading and have sparse to dense prickles along the internodes (4). The leaves are alternate with blades 1-2.5 centimeters in length. The leaves are irregularly lobed and toothed (5). The flowers (Figure 3) have an inflorescence of 4- to 7- flowered axillaries that are pink to yellowish (5). The fruits are a berry that are 5-7 millimeters long and reddish. Sepal	
	© Regents of the University of California Figure 3: <i>R. montigenum</i> leaf and flower structure (2).	
PROPAGATION DETAILS (SEED)		
Ecotype	No information found.	
Propagation Goal	Plants	
Propagation Method	Seed	
Product Type	Bareroot, container, or seeds.	
Stock Type	No information found.	
Time to Grow	No information found.	
Target Specifications	No information found.	

Propagule Collection	The seeds of <i>R. montigenum</i> should be collected when the fruit ripens	
Instructions	between August and September (1).	
	When collecting the seeds, handpick and/or strip the fruits from a	
	minimum of 5 different collection sites that are 0.5-1 mile apart and from	
	30-50 different plants. This will help ensure genetic variation in your seed	
	(7,8).	
	If you are not going to extract seed immediately, the fruits should be	
	stored by spreading them out in shallow layers to avoid heating (8).	
Propagule	163,798 seeds per pound (3).	
Processing/Propagule	In general, for <i>Ribes</i> spp., they are orthodox and thus remain viable for	
Characteristics	long periods of time (13-17 years) when they are stored in sealed	
	containers at low humidity. Temperature doesn't seem to be critical, but it	
	is recommended to store them in a cool place (8,9).	
Pre-Planting Propagule	Generally, for <i>Ribes</i> spp., maceration and washing are used to strip the	
Treatments	seeds from the flesh, and if the fruits are dried they should be soaked prior	
	to cleaning. The seeds can then be filtered from the pulp and then washed	
	(8).	
	Store seeds in cool, low humidity areas in sealed containers (8,9).	
	<i>Ribes</i> spp. can be stratified from 33-40 degrees F for 3-10 months (10,12).	
Growing Area	In general, for <i>Ribes</i> spp., mineral soil with a lot of humus is ideal for the	
Preparation / Annual	growing media (8). R. montigenum typically grows in rocky areas, so	
Practices for	having a gravellier growing media may be beneficial for successful	
Perennial Crops	establishment (1).	
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Establishment Phase	Ribes spp. seeds should be sown in the fall or in the spring after	
Details	stratification (8). Seeds should be sown at a rate of 130 viable seeds per	
	meter of row and covered in 3 to 6 millimeters of growing media (8).	
Length of	In one study the <i>R. montigenum</i> seeds were stratified at 0 degrees C for	
Establishment Phase	200-300 days and there was a 53% germination rate after 30-40 days after	
	being sowed (8).	
Active Growth Phase	No information found.	
Length of Active	The active growth period for <i>R. montigenum</i> is the spring and summer	
Growth Phase	after establishment (3).	
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	The height of the mature <i>R. montigenum</i> will reach about 0.3-0.9 meters	
Outplanting /	tall (8).	
Performance on	Ribes spp. generally begin to fruit after 3 years.	
Typical Sites	Plant them late spring the following year they were sown (10).	
Other Comments	N/A	
PROPAGATION DETAILS (VEGETATIVE)		
Ecotype	No information found.	

Propagation Goal	Plants	
Propagation Method	Vegetative	
1 0		
Product Type	Propagules (cuttings)	
Stock Type	No information found.	
Time to Grow	1-2 years (6)	
Target Specifications	No information found.	
Propagule Collection	Hardwood: Collect a 10-15 cm long cutting with a heel from the <i>R</i> .	
Instructions	montigenum in late autumn to late winter (10).	
	Softwood: Collect a 10-15 cm long cutting with a heel in mid-summer	
	(10).	
	In general for cuttings, do not remove more than a third of the donor plant.	
	To prepare cuttings, trim all side branches off the cutting and cut off the	
	apical bud (11).	
Propagule	No information found.	
Processing/Propagule		
Characteristics		
Pre-Planting Propagule	Cuttings can be stored for about 4 months, so long as they are stored in a	
Treatments	cool, dark, and moist place (11).	
Growing Area	A typical growing media mix for cuttings is perlite and peat moss.	
Preparation / Annual		
Practices for		
Perennial Crops		
Establishment Phase	In the Northern Hemisphere, the cuttings can root anytime between	
Details	September through April (6).	
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		
Other Comments	No information found.	
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	and Genetic Resources.
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