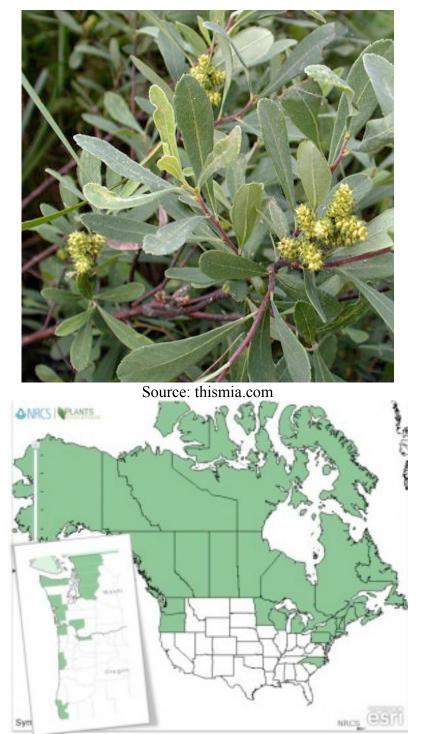
## Plant Propagation Protocol for *Myrica gale* ESRM 412 – Native Plant Production Protocol URL: <u>https://courses.washington.edu/esrm412/protocols/MYGA.pdf</u>



Source: USDA Plant Database

Source: efloras.org

	TAXONOMY	
Plant Family		
Scientific Name	Myrica gale	
Common Name	Sweet gale	
Species		
Scientific		
Name		
Scientific Name	<i>Myrica gale</i> Linnaeus	
Varieties	Myrica gale (USDA)	
Sub-species	Myrica gale (USDA)	
Cultivar	Myrica gaie (05DA)	
Common	Gale palustris A. Chev., Myrica gale L. var. subarctica J. Rousseau,	
Synonym(s)	Myrica gale L. var. subglabra (A. Chev) Fernald, Myrica gale L. var.	
Synonym(S)	tomentosa C. DC.	
Common Name(s)	Sweet gale, Sweetgale, Bog myrtle, Meadowfern	
Species Code (as	MYGA	
per USDA Plants		
database)		
GENERAL INFORMATION		
Geographical range	Found throughout northeast and northwest North America. Also native to	
	many northern European countries and some parts of Northern Asia.	
	(NGSWEB). See map above for North American/Washington Distribution.	
Ecological	Bogs, marshes, fens and wet heathland in acid soils but plants are	
distribution	occasionally found in calcareous fens. (PFAF)	
Climate and	Normally found in wet, cooler climates. Usually found in an elevation of 0	
elevation range	to 680 meters. (efloras)	
Local habitat and	Commonly found in wet, nitrogen-poor soils as it can out compete other	
abundance	species in these areas. (PFAF)	
Plant strategy type /	Stress tolerator, nitrogen fixer.	
successional		
stage		
Plant	Shrub. Green, spirally shaped leaves with a waxy coating on the outside.	
characteristics	Has fruits called drupes and flowers called catkins. (NGSWEB).	
PROPAGATIO	ON DETAILS: William Skaradek production of Propagules	
	(seeds, cuttings, poles, etc.) <i>Myrica gale</i>	
Ecotype	Forested areas of Assateague Island, MD (Skaradek).	
Propagation Goal	Seeds	
Propagation	Seed	
Method		
Product Type	Propagules (seeds, cuttings, poles, etc.)	
Stock Type	0 (Change de la)	
Time to Grow	0 (Skaradek)	
Target		
Specifications		

Dronogulo	Collect goods during fall		
Propagule Collection	Collect seeds during fall.		
Instructions			
	84.000 soods non nound		
Propagule	84,000 seeds per pound.		
Processing/Propa			
gule			
Characteristics			
Pre-Planting	Maximum stored viability is maintained if waxy coat remains and seed is		
Propagule	refrigerated at less than 40§F. (Skaradek).		
Treatments			
	Hand rub to remove waxy coat; follow with mechanically screening, using		
	moderate air. (Skaradek)		
Growing Area	Sandy loam		
Preparation /			
Annual Practices			
for Perennial			
Crops			
Establishment			
Phase Details			
Length of			
Establishment			
Phase			
Active Growth			
Phase			
Length of Active			
Growth Phase			
Hardening Phase			
Length of			
Hardening Phase			
Harvesting, Storage	Maximum stored viability is maintained if waxy coat remains and seed is		
and Shipping	refrigerated at less than 40§F. (Skaradek)		
Length of Storage	(Skaladek)		
Guidelines for			
Outplanting /			
Performance on			
Typical Sites			
Other Comments	Very minimal data nor information is available on this propagation		
	method. This was the only propagation method I could found for <i>Myrica</i>		
	gale.		
	INFORMATION SOURCES		
References (full	Skaradek, William. "Myrica." RNGR. USDA Forest Service, 2001. Web.		
citations)	27 May 2016.		
	<http: npn.rngr.net="" rendernpnprotocoldetails?selectedprotocolids="myric&lt;/td"></http:>		
	aceae-myrica-1315>.		

	<ul> <li>"Plants Profile for Myrica Gale (sweetgale)." Plants Profile for Myrica Gale (sweetgale). N.p., n.d. Web. 29 May 2016.</li> <li><http: core="" plants.usda.gov="" profile?symbol="MYGA">.</http:></li> <li>"Myrica Gale." National Plant Germplasm. USNPGS, n.d. Web. 27 May 2016. <https: gringlobal="" npgsweb.ars-grin.gov="" taxonomydetail.aspx?24842="">.</https:></li> <li>Past, Present and Future Utilisation of Myrica gale (Myricaceae) Michael J. A. Simpson, Donald F. MacIntosh, John B. Cloughley and Angus E. Stuart Economic Botany Vol. 50, No. 1 (Jan Mar., 1996), pp. 122-129</li> </ul>
Other Sources Consulted (but that contained no pertinent information) (full citations)	
Protocol Author (First and last name)	Carson Stewart
Date Protocol Created or Updated (MM/DD/YY)	5/27/2016