

Plant Propagation Protocol for *Asplenium trichomanes-ramosum* L.
ESRM 412 – Native Plant Production

TAXONOMY	
Family Names	
Family Scientific Name:	<i>Aspleniaceae</i>
Family Common Name:	(not found in given sources)
Scientific Names	
Genus:	<i>Asplenium</i>
Species:	<i>Asplenium trichomanes-ramosum</i> L.
Species Authority:	John Kartesz (Integrated)
Variety:	(not found in given sources)
Sub-species:	(not found in given sources)
Cultivar:	(not found in given sources)
Authority for Variety/Sub-species:	(not found in given sources)
Common Synonym:	<i>Asplenium viride</i> Hudson
Common Names:	brightgreen spleenwort, green spleenwort
Species Code:	ASTR10
GENERAL INFORMATION	
Geographical range:	<div style="text-align: center; padding: 100px 0;"> <small>QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.</small> </div>

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(USDA)

Ecological distribution:	Occurs on limestone and other basic rock, often on moist shaded bluffs or slopes. (Pojar)(Flora)
Climate and elevation range:	Between 7,000 and 8,000 ft. (Calflora)
Local habitat and abundance:	Native to the lower 48 states, Alaska, Canada, and Greenland. This species is either threatened or endangered along much of the east coast in the United States. (USDA)
Plant strategy type / successional stage:	(not found in given sources)
Plant characteristics:	Green spleenwort is a forb/ferb, a vascular plant with little to no above ground woody tissue. (USDA) It is small, with dense bright-green stipes and oval to round leaflets on long narrow blades. (Pojar)
PROPAGATION DETAILS	
Ecotype:	(not found in given sources)
Propagation Goal:	(not found in given sources)
Propagation Method:	Natural spore propagation. (MSU)
Product Type:	(not found in given sources)
Stock Type:	(not found in given sources)
Time to Grow:	(not found in given sources)
Target Specifications:	(not found in given sources)
Propagule Collection:	Allow 50-70 years recuperation between harvests. (MSU)
Propagule Processing/Propagule Characteristics:	(not found in given sources)
Pre-Planting Propagule Treatments:	(not found in given sources)
Growing Area Preparation / Annual Practices for Perennial Crops:	Allow to propagate naturally and maintain healthy overstory and as much unharvested forest as possible. (MSU)
Establishment Phase:	(not found in given sources)
Length of Establishment	(not found in given sources)

Phase:	
Active Growth Phase:	(not found in given sources)
Length of Active Growth Phase:	(not found in given sources)
Hardening Phase:	(not found in given sources)
Length of Hardening Phase:	(not found in given sources)
Harvesting, Storage and Shipping:	(not found in given sources)
Length of Storage:	(not found in given sources)
Guidelines for Outplanting / Performance on Typical Sites:	(not found in given sources)
Other Comments:	Species is extremely rare and collection is not recommended due to this. Not much is known about how to propagate this species.
INFORMATION SOURCES	
References:	<ul style="list-style-type: none"> -Calflora. http://www.calflora.org -Flora of North America. http://www.efloras.org/flora_page.aspx?flora_id=1 -Integrated Taxonomic Information System. http://www.itis.gov/index.html -MSU. http://web4.msue.msu.edu/mnfi/explorer/species.cfm?id=15875 -Pojar, Jim & MacKinnon, Andy. <i>Plants of the Pacific Northwest Coast</i>. Alberta: Lone Pine Publishing. 1994. -USDA Plants Database. http://www.plants.usda.gov/
Other Sources Consulted:	<ul style="list-style-type: none"> -Armitage, Allan. <i>Herbaceous Perennial Plants</i>. Athens:Varsity Press. 1989. -Association of Official Seed Analysts-Handbook on Seeds of Browse-Shrubs and Forbs. http://www.nsl.fs.fed.us/Handbook%20on%20Seeds%20of%20Browse-Shrubs%20and%20Forbs.pdf (accessed 4/24/10) -Garry Oak Ecosystem Recovery Team-Native Plant Propagation Guidelines. http://www.goert.ca/propagation_guidelines/introduction.php (accessed 4/24/10) -Grant, John A. & Grant, Carol. <i>Trees and Shrubs for Pacific Northwest Gardens</i>. Seattle: Dogwood Press. 1943. -Hay, Roy & Synge, Patrick M. <i>The Color Dictionary of Flowers and Plants for Home and Garden</i>. New York: Crown Publishers. 1984. -Native Plants Propagation Protocol Database. http://www.nativeplant network.org/network/ (accessed 4/24/10) -Northwest Native Plant Guide-WSU Master Gardeners.

	http://gardening.wsu.edu/NWnative/ (accessed 4/24/10) -Taylor, Norman. <i>The Guide to Garden Shrubs and Trees</i> . Boston: Houghton Mifflin. 1965. -University of Washington Botanic Gardens-Rare Plant Care & Conservation. http://courses.washington.edu/rarecare/index.htm . (accessed 4/24/10) -Washington Native Plants Society. http://www.wnps.org/ (accessed 4/24/10) -Washington State Department of Natural Resources. http://ww1.dnr.wa.gov/nhp/refdesk/index.html (accessed 4/24/10) -Wikipedia. http://www.wikipedia.org (accessed 4/24/10) -Wingate, Marty. <i>The Big Book of Northwest Perennials</i> . Seattle: Sasquatch Books. 2005
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Note: This template was modified by J.D. Bakker from that available at:
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