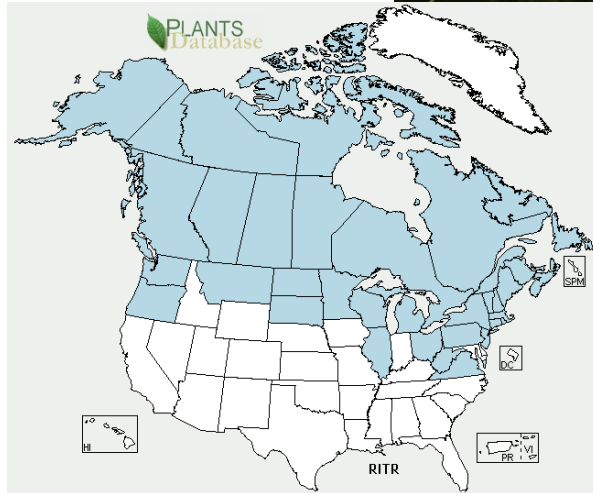


# **Plant Propagation Protocol for *Ribes triste* Pallas** **ESRM 412 – Native Plant Production**

*Ribes triste* image courtesy of uofinfo.com



Distribution maps courtesy of the USDA Plant Database.

TAXONOMY	
Family Names	
Family Scientific Name:	Grossulariaceae
Family Common Name:	Currant
Scientific Names	
Genus:	<i>Ribes</i>
Species:	<i>Triste</i>
Species Authority:	Pallas
Variety:	
Sub-species:	
Cultivar:	
Authority for Variety/Sub-species:	RITRA <i>Ribes triste</i> Pall. var. <i>albinervium</i> (Michx.) Fernald (USDA)

Common Synonyms:	RIRUA <i>Ribes rubrum</i> L. var. <i>alaskanum</i> (A. Berger) B. Boivin RIRUP <i>Ribes rubrum</i> L. var. <i>propinquum</i> (Turcz.) Trautv. & C.A. Mey. (USDA)
Common Names:	Red Currant, wild red currant, swamp red currant, swamp currant, northern red currant, American red currant
Species Code:	RITR
<b>GENERAL INFORMATION</b>	
Geographical range:	Widely distributed in the colder parts of North America, from Newfoundland to Alaska as well as extending southward along the mountains and in Russia from the Pacific to East Siberia (Bean). See maps above.
Ecological distribution:	Bogs and wet woods are ecosystems <i>ribes triste</i> can be found (Bean).
Climate and elevation range:	No information found
Local habitat and abundance:	No information found
Plant strategy type / successional stage:	No information found
Plant characteristics:	<i>Ribes triste</i> is a dicotic, perennial shrub.
<b>PROPAGATION DETAILS</b>	
Ecotype:	N/A
Propagation Goal:	Plants
Propagation Method:	Seed and vegetative
Product Type:	Propagules (seeds, cuttings, sprigs)
Stock Type:	Container stock
Time to Grow:	No information found
Target Specifications:	No information found
Propagule Collection:	Doran found that <i>ribes triste</i> rooted well when taken in July (Doran) and Sheat says to take for semi-mature in late June early July (Sheat).
Propagule Processing/Propagule Characteristics:	<i>Ribes triste</i> seed density is 215,000 seeds/lb (USDA).  When cutting semi-mature side shoots, do so at 4-6" long with a slight heel(Sheat)  <i>Ribes'</i> seeds maintain their viability for a long time if sealed in containers and stored with low moisture content (Dirr).  Hardwood cuttings should be no smaller than a pencil from a 1 year old growth and cut into 6" long pieces (Dirr).
Pre-Planting Propagule Treatments:	Store hardwood cutting in moist sand (Doran) until early spring (Dirr).
Growing Area Preparation / Annual Practices for Perennial Crops:	Strike semi-hardwood cuttings into media over a light, sandy base in a sunframe; the media should be 3 parts compost to 1

	part peat moss (Sheat).
Establishment Phase:	With semi-hardwood cuttings, when active growth is indicated the frames may be removed (Sheat)
Length of Establishment Phase:	No information found.
Active Growth Phase:	No information found.
Length of Active Growth Phase:	No information found.
Hardening Phase:	No information found.
Length of Hardening Phase:	No information found.
Harvesting, Storage and Shipping:	No information found.
Length of Storage:	No information found.
Guidelines for Outplanting / Performance on Typical Sites:	No information found.
Other Comments:	Ribes can harbour a stage of 'white pine blister rust', so they should not be grown in the vicinity of pine trees (Arnberger).
<b>INFORMATION SOURCES</b>	
References:	<p>Arnberger, Leslie. <i>Flowers of the Southwest Mountains</i>. Arizona: Southwestern Monuments Association, 1968.</p> <p>Bean, W.J. <i>Trees &amp; Shrubs: Hardy in the British Isles</i>, 8<sup>th</sup> Ed, Volume IV. New York: St. Martin's Press, Inc., 1980.</p> <p>Doran, William L. <i>Propagation of Woody Plants by Cuttings</i>. Amherst: University of Massachusetts, 1957.</p> <p>Dirr, Michael A. &amp; Heuser, Jr., Charles W. <i>The Reference Manual of Woody Plant Propagation: From Seed to Tissue Culture</i>. North Carolina: Varsity Press, Inc., 2006.</p> <p>Sheat, Wilfrid G. <i>Propagation of Trees, Shrubs and Conifers</i>. London: MacMillan and Co., 1948.</p> <p>USDA. 19 May, 2011. USDA-Natural Resources Conservation Service-Plant Databases: On the World Wide Web  <a href="http://plants.usda.gov/java/profile?symbol=RITR">http://plants.usda.gov/java/profile?symbol=RITR</a></p>
Other Sources Consulted:	<p>Bean, W.J. <i>Shrubs for Amateurs</i>. London: country Life Ltd., 1955.</p> <p>Bird, Richard. <i>The Cultivation of Hardy Perennials</i>. London: B.T. Batsford Ltd., 1994.</p> <p>Huxley, Anthony. <i>The New Royal Horticultural Society: Dictionary of Gardening</i>. Vol. 4. London: The MacMillan Press Ltd., 1992.</p>
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