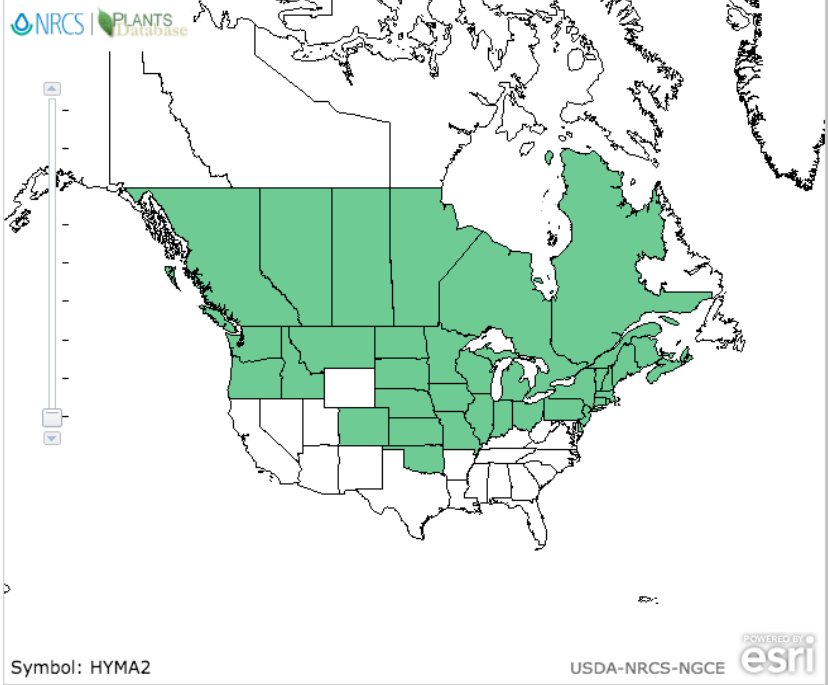

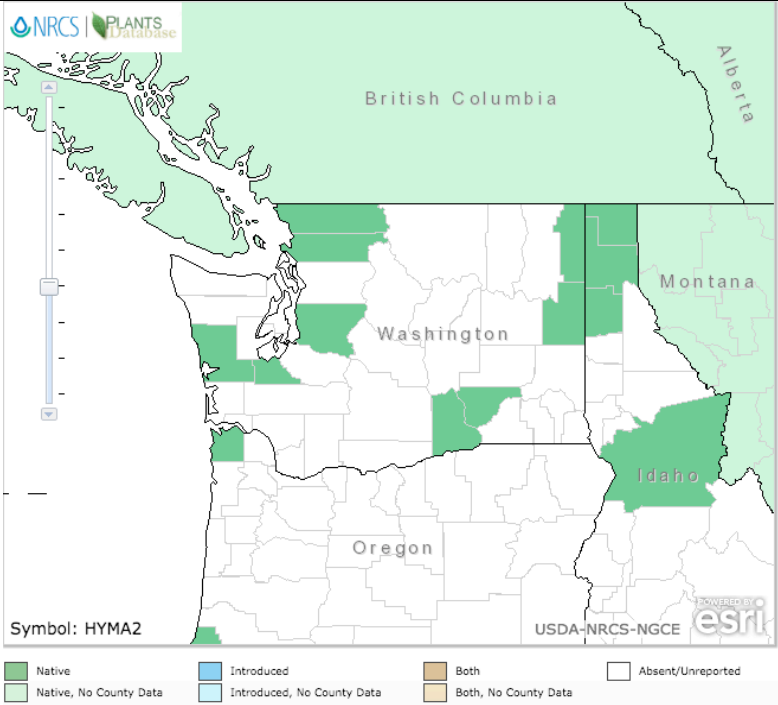


Plant Propagation Protocol for *Hypericum majus*

ESRM 412 – Native Plant Production

Protocol URL: <https://courses.washington.edu/esrm412/protocols/HYMA2>

TAXONOMY	
Plant Family	
Scientific Name	Clusiaceae (USDA)
Common Name	Mangosteen family (USDA)
Species Scientific Name	
Scientific Name	<i>Hypericum majus</i> (A. Gray) Britton (USDA)
Varieties	None found
Sub-species	None found
Cultivar	None found
Common Synonym(s)	<i>Hypericum canadense</i> L. var. <i>majus</i> A. Gray (USDA)
Common Name(s)	Large St. Johnswort Greater Canadian St. Johnswort Larger Canadian St. Johnswort (EOL)
Species Code (as per USDA Plants database)	HYMA2 (USDA)
GENERAL INFORMATION	
Geographical range	 <p>Symbol: HYMA2</p> <p>USDA-NRCS-NGCE </p> <p> Native Introduced Both Absent/Unreported </p> <p> Native, No County Data Introduced, No County Data Both, No County Data </p>

	 <p>Symbol: HYMA2</p> <p>USDA-NRCS-NGCE esri</p> <p>Native Native, No County Data Introduced Introduced, No County Data Both Both, No County Data Absent/Unreported</p>
	(USDA)
Ecological distribution	Anthropogenic (man-made or disturbed habitats), meadows, fields, shores of rivers and lakes, wetland margins (Go Botany)
Climate and elevation range	15-710 m (Camp)
Local habitat and abundance	Along ponds, lakes, riparian habitats, low wetlands. Commonly associated species include horsetails, rushes, sedges, tufted hairgrass and reed canarygrass. (Camp)
Plant strategy type / successional stage	This species is a facultative wetland species. In Washington it occurs in habitats that are completely submerged during portions of the growing season either naturally or due to hydroelectric dams. (Camp)
Plant characteristics	This species is a perennial with stems 0.1-0.5 m in length. It has short, leafy rhizomes and a 5-petaled, yellow florescence. (Camp) This species has a more clustered inflorescence than the Northern St. Johnswort. (FNA)
PROPAGATION DETAILS	
Ecotype (this is meant primarily for experimentally derived protocols, and is a description of where the seed that was tested came from)	

Propagation Goal (Options: Plants, Cuttings, Seeds, Bulbs, Somatic Embryos, and/or Other Propagules)	
Propagation Method (Options: Seed or Vegetative)	
Product Type (options: Container (plug), Bareroot (field grown), Plug + (container-field grown hybrids, and/or Propagules (seeds, cuttings, poles, etc.))	
Stock Type	
Time to Grow (from seeding until plants are ready to be outplanted)	
Target Specifications (size or characteristics of target plants to be produced)	
Propagule Collection Instructions (how, when, etc)	
Propagule Processing/Prop agule Characteristics (including seed	

density (# per pound), seed longevity, etc)	
Pre-Planting Propagule Treatments (cleaning, storage, dormancy treatments, etc)	
Growing Area Preparation / Annual Practices for Perennial Crops (growing media, type and size of containers, etc)	
Establishment Phase Details (from seeding to germination)	
Length of Establishment Phase	
Active Growth Phase (from germination until plants are no longer actively growing)	
Length of Active Growth Phase	
Hardening Phase (from end of active growth phase to end of growing season; primarily related to the development of cold-hardiness and preparation for winter)	

Length of Hardening Phase	
Harvesting, Storage and Shipping (of seedlings)	
Length of Storage (of seedlings, between nursery and outplanting)	
Guidelines for Outplanting / Performance on Typical Sites (eg, percent survival, height or diameter growth, elapsed time before flowering)	
Other Comments (including collection restrictions or guidelines, if available)	
INFORMATION SOURCES	
References (full citations)	<p>Camp, P. & Gamon, J. <i>Field Guide to the Rare Plants of Washington</i>. 2011. Washington Natural Heritage Program and Washington State Department of Natural Resources.</p> <p>Encyclopedia of Life (EOL). http://eol.org/pages/584917/names/common_names</p> <p>Flora of North America (FNA). http://www.efloras.org/florataxon.aspx?flora_id=1&taxon_id=242416682</p> <p>USDA. PLANTS database. http://plants.usda.gov/core/profile?symbol=HYMA2</p> <p>Go Botany. National Science Foundation. https://gobotany.newenglandwild.org/species/hypericum/majus/</p>
Other Sources Consulted	<p>International Taxonomic Information System (ITIS). http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=21446</p>
Protocol Author	Rylie Robles
Date Protocol Created or Updated	05/25/16

