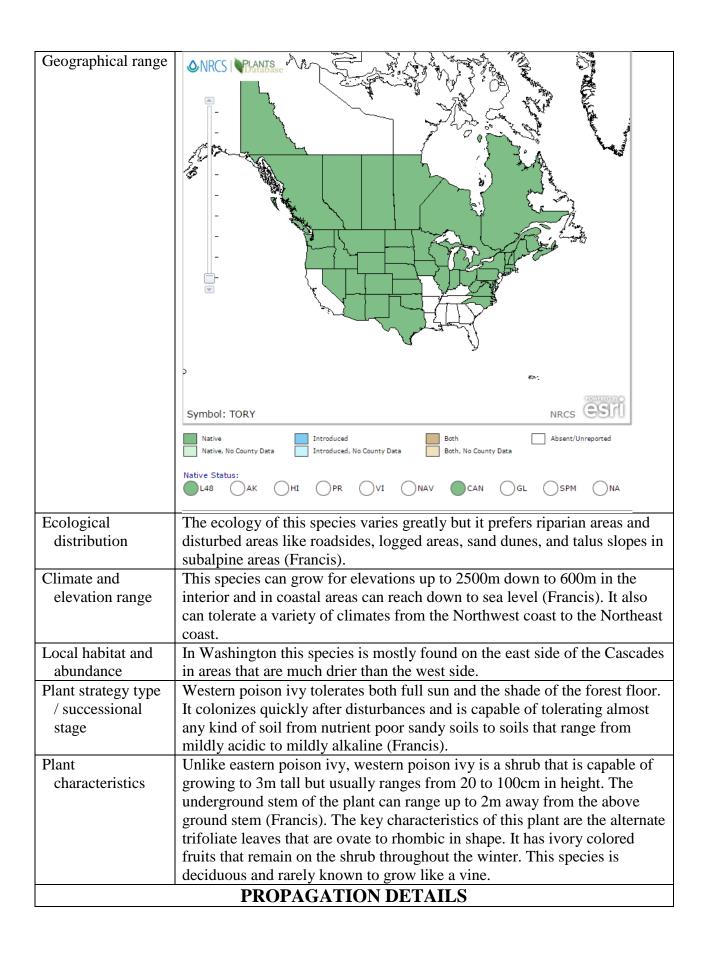
## Plant Propagation Protocol for [Toxicodendron rydbergii]

ESRM 412 – Native Plant Production

Protocol URL: https://courses.washington.edu/esrm412/protocols/[TORY.pdf]

TAXONOMY					
Plant Family					
Scientific Name	Abacardiaceae				
Common Name	Sumac				
Species					
Scientific					
Name					
Scientific Name	Toxicodendron rydbergii Greene				
Varieties	None				
Sub-species	None				
Cultivar	None				
Common	Rhus radicans L. var. rydbergii Rehder, Rhus radicans L. var. vulgaris				
Synonym(s)	DC, Rhus toxicodendron L. var. vulgaris Michx, Toxicodendron cernatum				
	Mill, Toxicodendron desertorum Lunell, Toxicodendron radicans L.				
	Kuntze var. rydbergii Erskine, Toxicodendron volubile Mill.				
Common Name(s)	Western poison ivy, Eastern poison ivy, Eastern poison ivy, Atlantic				
	poison oak, Poison ivy, None, Eastern poison ivy, None				
Species Code (as	TORY				
per USDA Plants					
database)					
GENERAL INFORMATION					



Ecotype	Not Found				
Propagation Goal	Cuttings				
Propagation Goal	Vegetative				
Method	V Ogotali V O				
Product Type	Cuttings should be put into 10-cm, square, plastic pots with a 6:1 ratio of				
Troduct Type	pine bark to sand substrate (Wehtje, 2015)				
Stock Type	Not Found				
Time to Grow	8 weeks before transplant then 2 years before experimental use (Wehtje,				
	2015)				
Target	Not Found				
Specifications					
Propagule	Cuttings collected in late June through early July (Wehtje, 2012)				
Collection					
Instructions					
Propagule	Not Found				
Processing/Propa					
gule					
Characteristics					
Pre-Planting	Not Found				
Propagule					
Treatments					
Growing Area	10 cm square pots to start then transferred to 2.5 L plastic pots after 8				
Preparation /	weeks (Wehtje, 2015). Grown in pine bark – sand substrate and transferred				
Annual Practices	to pots with three types of fertilizer: Polyon 17N-6P-12K, dolomitic				
for Perennial	limestone, and Micromax (Wehtje, 2015)				
Crops	Not Found				
Establishment Phase Details	Not Found				
Length of	8 weeks				
Establishment	o weeks				
Phase					
Active Growth	Not Found				
Phase	1 vot 1 ound				
Length of Active	Not Found				
Growth Phase	Tion				
Hardening Phase	Not Found				
Length of	Not Found				
Hardening Phase					
Harvesting,	Not Found				
Storage and					
Shipping					
Length of Storage	Not Found				
Guidelines for	Not Found				
Outplanting /					
Performance on					
Typical Sites					

Other Comments	Due to the dermatitis that can be caused by directly handling this species, protective clothing and gloves must be worn at all times when handling this plant. The resin has been studied for use in textiles and in small doses has shown medical potential (Gladman, 2006). Although this plant can be a nasty one it provides habitat cover for a number of small mammals and wild quails and turkeys use the berries as a food source (Unknown).						
	INFORMATION SOURCES						
References	Francis, John K. " <i>Toxicodendron Rydbergii</i> ." <i>Toxicodendron Rydbergii</i> ( <i>Small Ex Rydb.</i> ) Greene (n.d.): n. pag. U.S. Department of Agriculture. Web.http://www.fs.fed.us/global/iitf/pdf/shrubs/Toxicodendron%20rydbergii.pdf>.  Unknown. "Toxicodendron Radicans, T. Rydbergii." <i>Toxicodendron Radicans, T. Rydbergii</i> . U.S. Forest Service, n.d. Web. 18 May 2015. <a href="http://www.fs.fed.us/database/feis/plants/shrub/toxspp/all.html">http://www.fs.fed.us/database/feis/plants/shrub/toxspp/all.html</a> >.  Wehtje, Glenn, and Charles H. Gilliam. "Cost-Effectiveness of Glyphosate, 2,4-D, and Triclopyr, Alone and in Select Mixtures for Poison Ivy Control." <i>Weed Technology</i> 26.3 (2012): 469-73. Web.  Wehtje, Glenn, and Charles H. Gilliam. "Poison Ivy (Toxicodendron Radican) Control with Dicamba and 2,4-D Applied Alone and in Tank						
	Mixture." Weed Technology 29.1 (2015): 115-20. Web.						
Other Sources Consulted	Gladman, Aaron C. "Toxicodendron Dermatitis: Poison Ivy, Oak, and Sumac." Wilderness & Environmental Medicine 17.2 (2006): 120-28. Web.  Kujawski, Jennifer. "You're Growing That Nasty Plant?" Propagation Protocol for Poison Sumac (Toxicodendron Vernix). Native Plants Journal, n.d. Web. 18 May 2015.  Lashley, Marcus A., and Craig A. Harper. "The Effects of Extreme Drought on Native Forage Nutritional Quality and White-Tailed Deer Diet Selection." Southeastern Naturalist 11.4 (2012): 699-710. Web.  Senchina, David S. "Ethnobotany of Poison Ivy, Poison Oak, and Relatives (Toxicodendron Spp., Anacardiaceae) in America: Veracity of Historical Accounts." BioOne. The New England Botanical Club, Inc., 2006. Web.  Thone, Frank. "Nature Ramblings: Poison Ivy, Poison Sumac." The Science News-Letter 27.738 (1935): 356. Web.						
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