Plant Propagation Protocol for Antennaria lanata (Hook.) Greene

ESRM 412 – Native Plant Production Spring 2008



www.lclark.edu/~bierzych/Antennaria.html

	TAXONOMY	
Family Names		
Family Scientific Name:	Asteraceae	
Family Common Name:	Aster Family	
Scientific Names		
Genus:	Antennaria	
Species:	lanata	
Species Authority:	(Hook.) Greene ^{1.}	
Variety:		
Sub-species:		
Cultivar:		
Authority for Variety/Sub-species:		
Common Synonym(s) (include full	ANCAL Antennaria carpatica (Wahlenb.) Hook. var.	
scientific names (e.g., Elymus	lanata Hook. ^{1.}	
glaucus Buckley), including variety	Antennaria microphylla. 1.	
or subspecies information)	(Sometimes confused with Pearly Everlasting. ⁴)	
Common Name(s):	Wooly Pussytoes	
Species Code (as per USDA Plants	ANLA3	
database):		
GENERAL INFORMATION		
Geographical range (distribution	WA, OR, CA, ID, MT, WY;	
maps for North America and	BC and Alberta, Canada; ¹ .	
Washington state)		
Ecological distribution (ecosystems it	Extends from plains to spruce belt. Common in Parks,	
occurs in, etc):	meadows, and hillsides. Dry to moderately moist soils. ⁴	
Climate and elevation range	Not available.	

Local habitat and abundance; may include commonly associated species	Herbacious perennial. ^{3.} Common in alpine and subalpine meadows. Cascade mountains east to Idaho and Wyoming. ^{2.}	
Plant strategy type / successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)	Not abundant but can increase in over-foraged areas. Able to withstand trampling. ⁴	
Plant characteristics (life form (shrub, grass, forb), longevity, key characteristics, etc)	Perennial from a short woody base, not rhizomatous, white-woolly throughout. Basal leaves erect, tufted and persistant, 3-10 cm. long and 3-10 mm. wide, usually with 3 main veins; Several heads in a compact inflorescence; pistillate involucres 5-8 mm. high, white-woolly toward the usually greenish base ^{3.}	
PROPAGATION DETAILS		
Ecotype (this is meant primarily for experimentally derived protocols, and is a description of where the seed that was tested came from):	Representative for grower not able to reveal this information. ⁵	
Propagation Goal (Options: Plants, Cuttings, Seeds, Bulbs, Somatic Embryos, and/or Other Propagules):	Plants. ⁵	
Propagation Method (Options: Seed or Vegetative):	Seeds. ⁵	
Product Type (options: Container (plug), Bareroot (field grown), Plug + (container-field grown hybrids, and/or Propagules (seeds, cuttings, poles, etc.))	Plugs, bare-root (field-grown) ⁵ ,	
Stock Type:	Use conetainer or direct seed. ⁷	
Time to Grow (from seeding until plants are ready to be outplanted):	Mid Spring-August. ⁵	
Target Specifications (size or characteristics of target plants to be produced):	Rosette plant. ⁵	
Propagule Collection (how, when, etc):	Late Summer, Fall. ⁵	
Propagule Processing/Propagule Characteristics (including seed density (# per pound), seed longevity, etc):	Seeds are small achenes crowned by numerous white bristles which are united at base and fall together. ⁴	
Pre-Planting Propagule Treatments (cleaning, dormancy treatments, etc):	No pre-treatment necessary. ^{7.}	

Growing Area Preparation / A Practices for Perennial Cro	ps	No current recommendations.
(growing media, type and s containers, etc):	ize oi	
Establishment Phase (from se	eeding to	Information not available at this time.
germination):	υ	
Length of Establishment Pha	se:	Not available.
Active Growth Phase (from		Not available.
germination until plants are no		
longer actively growing):		
Length of Active Growth Phase:		Not available.
Hardening Phase (from end of		Not available.
growth phase to end of gro	_	
season; primarily related to		
development of cold-harding preparation for winter):	icss allu	
Length of Hardening Phase:		Not available.
Harvesting, Storage and Ship	ning (of	Not available.
seedlings):	ping (or	Two available.
Length of Storage (of seedling)	ıgs.	Not available.
between nursery and outpla		
Guidelines for Outplanting /	<i>U</i> /	Not available.
Performance on Typical Si	tes (eg,	
percent survival, height or	diameter	
growth, elapsed time before	e	
flowering):		
Other Comments (including		Information for this genus and species was very difficult
collection restrictions or guidelines,		to find as it is difficult to propagate. The author of this
if available):		protocol has been equally unsuccessful with it.
		RMATION SOURCES
References (full citations):		JSDA, NRCS. 2008. The PLANTS Database;
		ttp://plants.usda.gov/java/profile?symbol=ANLA3
		ttp://www.wnps.org/plants/antennaria_lanata.html
		ttp://biology.burke.washington.edu/herbarium/imagecolle tion/taxon.php?ID=615
		IS DOA FS: Range Plant Handbook. 1937 (1988.)
		Grower: 4 th Corner Nurseries, Bellingham, WA (360) 592-
		250.
		Grower: Kathy Hutton; Plants of the Wild, Ticoa, WA
		509) 284-2848.
	7. <u>w</u>	www.wilderness.net/toolboxes/documents/restoration/.
Other Sources Consulted		Arthur Lee; Wild Plants of Greater Seattle, 2 nd Ed.; 2008. Arthur
(but that contained no		Publishing. Alan ; Editor-in-Chief American Horticultural Society; Plant
pertinent information)		n. 1999. DK Publishing USA.
(full citations):	Hitchcock	, C. Leo; Cronquist, Arthur; Flora of the Pacific Northwest. 1973.
	Univers	sity of Washington Press.

	Kruckeberg, Arthur R; Gardening with Native Plants of the Pacific		
	Northwest, 2 nd Ed. 2000. University of Washington Press.		
	Hartmann, Hudson T; Kester, Dale E; Davies, Jr., Fred T; Geneve, Robert		
	L; Plant Propagation Principles and Practices, 7 th Ed.; 2002. Prentice Hall.		
	Pearson Education Inc.		
	Crowder, Wayne; USDA NRCS, Plant Materials Center, Pullman,		
Washington http://Plant-Materials.nrcs.usda.gov .			
Leigh, Michael; Grow Your Own Native Landscape. Rev 1995. Reprin			
2005. WSU Extension – Thurston County.			
Pojar, Jim; MacKinnon, Andy; Plants of the Pacific Northwest Coast.			
	B.C. Ministry of Forests and Lone Pine Publishing.		
	Rose, Robin; Chachulski, Caryn EC; Haase, Diane L; Propagation of Pacific		
	Northwest Native Plants. 1998. Oregon State University Press.		
	Native Plant Notebook, 2 nd Ed.; Mt Baker-Snoqualmie National Forest, North		
	Cascades Inst. 2105 SR 20, Sedro-Wooley, WA 98284-9394		
	Oregon Association of Nurseries: www.oan.org/ .		
	Nature's Enhancement Inc.: Stevensville, MT (406) 777-3560.		
	NATS, Nursery Ltd.; Langley, BC (604) 530-9300.		
Protocol Author (First and	Pamela Peterson		
last name):			
	05/20/08		
Date Protocol Created or	03/20/08		
Updated (MM/DD/YY):			

Note: This template was modified by J.D. Bakker from that available at: http://www.nativeplantnetwork.org/network/SampleBlankForm.asp