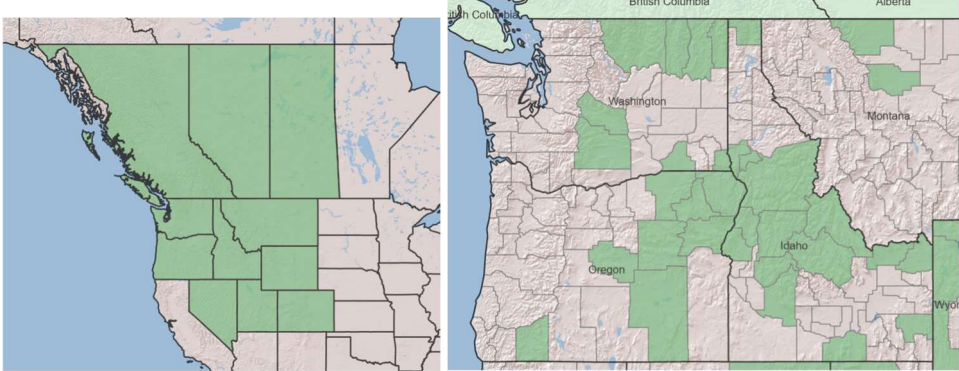


## Plant Propagation Protocol for *Antennaria anaphaloides* Rydberg

ESRM 412 – Native Plant Production

URL: [https://courses.washington.edu/esrm412/protocols/\[year\]/\[USDA Species Code.pdf\]](https://courses.washington.edu/esrm412/protocols/[year]/[USDA Species Code.pdf])

TAXONOMY	
Plant Family	
Scientific Name	Asteraceae
Common Name	Aster/Sunflower Family
Species Scientific Name	
Scientific Name	<i>Antennaria anaphaloides</i> Rydberg
Varieties	None listed
Sub-species	None listed
Cultivar	None listed
Common Synonyms	<i>Antennaria pulcherrima</i> (Hook.) Greene ssp. <i>anaphaloides</i> (Rydb.) W.A. Weber <i>Antennaria pulcherrima</i> (Hook.) Greene var. <i>anaphaloides</i> (Rydb.) G.W. Douglas
Common Name(s)	Pearly pussytoes; tall pussytoes; handsome pussytoes
Species Code (as per USDA Plants database)	ANAN2
GENERAL INFORMATION	
Geographical range	 <p>Images courtesy of USDA Plant Profile</p>
Ecological distribution	Dry meadows and ponderosa pine forest openings
Climate and elevation range	1000 – 3400 m
Local habitat and abundance	Loamy soils in fescue prairies often near plains rough fescue, brome, mountain death nodding onion, northern bedstraw
Plant strategy type / successional stage	Most likely stress tolerant herb – prefer sunny conditions and drought tolerant
Plant characteristics	Perennial forb; relatively short lived reaching heights of 15 to 35 cm mainly growing and Summer; Heads of flowers rise together in compact inflorescence that are white a
PROPAGATION DETAILS	
Ecotype	Colorado, Sprague Lake
Propagation Goal	Plants

Propagation Method	Seed
Product Type	Propagules
Stock Type	4 x 8 flat
Time to Grow	17 weeks
Target Specifications	Hardened but young plants
Propagule Collection Instructions	Collect flowers and separate fuzzy material from seeds and plant as is; generally in late summer (Aug – Sept)
Propagule Processing/Propagule Characteristics	7000000 seeds/lb Seed longevity not found Plant longevity is relatively short, plant promptly
Pre-Planting Propagule Treatments	Separate seeds from fuzzy flowers
Growing Area Preparation / Annual Practices for Perennial Crops	Medium textured soils with medium moisture Small seeds with medium vigor: grow in flats
Establishment Phase Details	Germination is uneven and can occur over several days or weeks; pot after about 1 month
Length of Establishment Phase	Germination can be between several days to weeks
Active Growth Phase	Short active growth phase; known to only grow in Spring and Summer
Length of Active Growth Phase	Likely 6-8 weeks but no confirmed information
Hardening Phase	No information available
Length of Hardening Phase	No information available
Harvesting, Storage and Shipping	Short lived plants so fast harvesting is optimal
Length of Storage	Short length of storage
Guidelines for Outplanting / Performance on Typical Sites	Short lived perennial; basal leaves will die back but resprout in the spring
Other Comments	No information available
<b>INFORMATION SOURCES</b>	
References	Burke Museum. (2012). <i>Antennaria anaphaloides</i> . Burke Herbarium Image Collection. Accessed May 3, 2023, from <a href="https://burkeherbarium.org/imagecollection/taxon.php?Taxon=Antennaria%20anaphaloides">https://burkeherbarium.org/imagecollection/taxon.php?Taxon=Antennaria%20anaphaloides</a> Butler, Jennifer; Frieswyk, Christin. 2001. Propagation protocol for production of <i>Antennaria</i> (seeds, cuttings, poles, etc.) <i>Antennaria</i> Gaertn. seeds USDI NPS - Rocky Mountain National Park, Estes Park, Colorado. In: Native Plant Network. URL: <a href="https://NativePlantNetwork.org/propagation/2001/05/03">https://NativePlantNetwork.org/propagation/2001/05/03</a> ). US Department of Agriculture, Forest Service, National Center for Forestry Nurseries, and Genetic Resources.

	<p>Flora of North America. (n.d.). <i>Antennaria anaphaloides</i> in Flora of North America @ efloras.org. eFloras.org. Retrieved May 3, 2023, from <a href="http://www.efloras.org/florataxon.aspx?flora_id=1&amp;taxon_id=250066066">http://www.efloras.org/florataxon.aspx?flora_id=1&amp;taxon_id=250066066</a></p> <p>Hortipedia. (n.d.). <i>Antennaria anaphaloides</i>. Hortipedia. Retrieved May 3, 2023, from <a href="https://en.hortipedia.com/Antennaria_anaphaloides">https://en.hortipedia.com/Antennaria_anaphaloides</a></p> <p>Orabona, A. (n.d.). HOW TO DESIGN, PLANT, AND MAINTAIN LANDSCAPING TO BENEFIT PEOPLE AND WILDLIFE. Wyoming Wildscape - Wyoming Game and Fish Department.</p> <p>University of Saskatchewan. (n.d.). Species: <i>Antennaria anaphaloides</i> Rydb. University of Saskatchewan. Retrieved May 3, 2023, from <a href="https://biolwww.usask.ca/rareplants_sk/root/htm/en/plants-description/antennaria-anaphaloides/e-antennaria-anaphaloides.php">https://biolwww.usask.ca/rareplants_sk/root/htm/en/plants-description/antennaria-anaphaloides/e-antennaria-anaphaloides.php</a></p> <p>USDA NRCS Plant Data Team. (n.d.). <i>Antennaria anaphaloides</i> Rydb. USDA NRCS - Plants. Retrieved May 3, 2023, from <a href="https://plants.usda.gov/home/plantProfile?symbol=ANAN2">https://plants.usda.gov/home/plantProfile?symbol=ANAN2</a></p>
Other Sources Consulted	<p>Grant, B. L. (2021, March 25). Pussytoes Ground Cover - How To Grow Pussytoes Plant. Gardening Know How. Retrieved May 3, 2023, from <a href="https://www.gardeningknowhow.com/ornamental/groundcover/pussytoes/antennaria-pussytoes-info.htm">https://www.gardeningknowhow.com/ornamental/groundcover/pussytoes/antennaria-pussytoes-info.htm</a></p>
Protocol Author	Kyle Yasui
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