


Plant Propagation Protocol for *Antennaria lanata*

ESRM 412 – Native Plant Production

URL: <https://courses.washington.edu/esrm412/protocols/2026/ANLA3>



| TAXONOMY | |
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| Plant Family | |
| Scientific Name | Asteraceae |
| Common Name | Aster family |
| Species | |
| Scientific Name | |
| Scientific Name | <i>Antennaria lanata</i> (Hook.) Greene ¹ |
| Varieties | N/A |
| Sub-species | N/A |
| Cultivar | N/A |
| Common Synonym(s) | <i>Antennaria carpatica</i> (Wahlenb.) Hook. var. <i>lanata</i> Hook |
| Common Name(s) | Woolly pussytoes, white-margined pussytoes, woolly everlasting |
| Species Code (as per USDA Plants database) | ANLA3 |
| GENERAL INFORMATION | |

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| Geographical range |  <p>Copyright:(c) 2014 Esri USDA-NRCS-NGCE & NPDT British Columbia and Alberta south to Oregon, Idaho, and Wyoming²</p> |
| Ecological distribution | Alpine and subalpine meadows; gravelly or sandy soils near conifers at timberline ³ |
| Climate and elevation range | 1400-3400 m ³ |
| Local habitat and abundance | Cascade mountains east to Idaho and Wyoming ⁴ |
| Plant strategy type / successional stage | Not available |
| Plant characteristics | Perennial forb/herb ¹ “Rhizomatous, without stolons. Stems erect, 3–20 cm. Basal leaves oblanceolate, 1–9 cm long, 3-nerved. Stem leaves linear-oblanceolate, 1–5 cm long, flagged. Inflorescence densely corymbiform with 3 to 10 heads. Involucre: female 5–8 mm high; male 3–6 mm high. Phyllaries dark brown to blackish-green. Corolla female 2–4 mm long; male 3–5 mm long. Pappus 3–5 mm long. Achenes 1–2 mm long, pappilose” ¹⁰ |
| PROPAGATION DETAILS: FROM SEED | |
| Ecotype | Representative for grower not able to reveal this information. ⁵ |
| Propagation Goal | Plants ⁵ |
| Propagation Method | Seed ⁵ |
| Product Type | Plugs, bare-root (field-grown) ⁵ |
| Stock Type | Container or direct seed ⁵ |
| Time to Grow | Can be irregular and slow ⁶ ; germinates in 42-70 days ⁷ |

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| Target Specifications | Rosette plant ⁵ |
| Propagule Collection Instructions | Late summer, fall ⁵ |
| Propagule Processing/Propagule Characteristics | 20,000 seeds/lbs ⁷ |
| Pre-Planting Propagule Treatments | Not available. |
| Growing Area Preparation / Annual Practices for Perennial Crops | No recommendations. |
| Establishment Phase Details | Not available. |
| Length of Establishment Phase | 42-70 days ⁷ |
| Active Growth Phase | Not available. |
| Length of Active Growth Phase | Not available. |
| Hardening Phase | Not available. |
| Length of Hardening Phase | Not available. |
| Harvesting, Storage and Shipping | Not available. |
| Length of Storage | Not available. |
| Guidelines for Outplanting / Performance on Typical Sites | Not available. |
| Other Comments | Information for this genus and species is very difficult to find as it is difficult to propagate. ⁸ |
| PROPAGATION DETAILS: VEGETATIVE | |
| Ecotype | Not available. |
| Propagation Goal | Not available. |

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| Propagation Method | Not available. |
| Product Type | Not available. |
| Stock Type | Not available. |
| Time to Grow | Not available. |
| Target Specifications | Not available. |
| Propagule Collection Instructions | Not available. |
| Propagule Processing/Propagule Characteristics | Not available. |
| Pre-Planting Propagule Treatments | Not available. |
| Growing Area Preparation / Annual Practices for Perennial Crops | Not available. |
| Establishment Phase Details | Not available. |
| Length of Establishment Phase | Not available. |
| Active Growth Phase | Not available. |
| Length of Active Growth Phase | Not available. |
| Hardening Phase | Not available. |
| Length of Hardening Phase | Not available. |
| Harvesting, Storage and Shipping | Not available. |
| Length of Storage | Not available. |
| Guidelines for Outplanting / Performance on Typical Sites | Not available. |

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| Other Comments | While this plant is rhizomatous ¹⁰ and may be able to be propagated vegetatively, there is no information on this. |
| INFORMATION SOURCES | |
| References | <p>1: "USDA Plants Database." <i>Usda.gov</i>, 2026, plants.sc.egov.usda.gov/plant-profile/ANLA3. Accessed 12 May 2026.</p> <p>2: "Lady Bird Johnson Wildflower Center - the University of Texas at Austin." <i>Wildflower.org</i>, 2020, www.wildflower.org/plants/result.php?id_plant=ANLA3. Accessed 12 May 2026.</p> <p>3: "Antennaria Lanata in Flora of North America @ Efloras.org." <i>Efloras.org</i>, 2026, www.efloras.org/florataxon.aspx?flora_id=1&taxon_id=250066077. Accessed 12 May 2026.</p> <p>4: "Antennaria Lanata." <i>Wnps.org</i>, 2026, www.wnps.org/native-plant-directory/36-antennaria-lanata. Accessed 12 May 2026.</p> <p>5. Lesica et al. 2012. Manual of Montana Vascular Plants. BRIT Press. Fort Worth, TX</p> <p>6. "Planting Instructions for Antennaria Pussytoes." <i>Outsidepride.com</i>, 2026, www.outsidepride.com/resources/planting/antennaria-planting/?srsId=AfmBOooZK1AAAd4THnFjlqRVA64PCeq76WvC7dXxWzGgN6Ab2G2ogJh7H. Accessed 12 May 2026.</p> <p>7. "Search Results." <i>Outsidepride.com</i>, 2026, www.outsidepride.com/search?s=annetaria. Accessed 12 May 2026.</p> <p>8. Grower: Kathy Hutton; Plants of the Wild, Ticoa, WA (509) 284-2848.</p> <p>9. "OregonFlora." <i>Oregonflora.org</i>, 2026, oregonflora.org/taxa/index.php?taxon=406. Accessed 12 May 2026.</p> <p>10. MTNHP. "Woolly Pussytoes - Montana Field Guide." <i>Mt.gov</i>, Natural Heritage Program and Montana Fish, Wildlife & Parks, 2026, fieldguide.mt.gov/speciesDetail.aspx?elcode=PDASTOH0B0. Accessed 12 May 2026.</p> |
| Other Sources Consulted | None |
| Protocol Author | Felix Solem |
| Date Protocol Created or Updated | 05/11/26 |