Plant Propagation Protocol for Antennaria suffrutescens

ESRM 412 – Native Plant Production

URL: https://courses.washi	ngton.edu/esrm412/protocols/2023/ANSU3.pdf
	TAXONOMY
Plant Family	
Scientific Name	Antennaria suffrutescens
Common Name	Evergreen Pussytoes
Species Scientific Name	
Scientific Name	Antennaria suffrutescens Greene
Varieties	n/a
Sub-species	n/a
Cultivar	n/a
Common Synonym(s)	n/a
Common Name(s)	Evergreen everlasting, everlasting pussytoes, shrubby pussytoes, Siskiyou everlasting
Species Code (as per USDA Plants database)	ANSU3
GENE	CRAL INFORMATION
Geographical range	Ořegon Tajiho.



(Image: USDA Plants)

Narrow geographical range spanning northwest California and southwestern Oregon. (USDA) Known to Curry and Josephine counties, Oregon, and Del Norte and Humboldt counties, California (R. J. Bayer and G. L. Stebbins 1987).



(Image: Global Biodiversity Information Facility) One recorded presence in Washington in Grant County (with some uncertainty) (GBIF)

Ecological distribution	Dry, open coniferous woods or barren slopes on
Leological distribution	serpentine soil (Flora of North America). Considered to
	have limited distribution by California (CalFlora)
Climate and elevation range	Mainly coastal environments from 500m to 1600m in
Chimate and elevation range	elevation (Flora of North America)
Local habitat and abundance	Yellow Pine Forests (GBIF), West Virginia Lady
Local habitat and abundance	Butterflies (as a host plant) (CalFlora)
Plant strategy type / successional	Stress tolerator (drought tolerant)
stage	Siress tolerator (drought tolerant)
Plant characteristics	Perennial herb; dioicous; suffrutescent growth form;
Traint characteristics	coriaceous leaves (Floras of North America)
PROP	AGATION DETAILS
Ecotype	Glacier National Park, Montana
Lestype	Details based on propagation protocol for Antennaria
	howellii (Fern.) Bayer/Antennaria neglecta Greene
	which grows at a similar elevation and climate
	Source: Luna et al., 2008
Propagation Goal	Plants/plugs
Propagation Method	Seed
Product Type	Container/plug
Stock Type	172 mL container
Time to Grow	4 months
Target Specifications	3cm height, 10 to 15 true leaves, firm root system
Propagule Collection Instructions	Flowering occurs in early summer (May, June); collect
Tropagaie Concetion instructions	seeds from the white flower heads (Floras of N.
	America)
Propagule Processing/Propagule	14,520,000 seeds/kg
Characteristics	11,020,000 50005/115
Pre-Planting Propagule Treatments	Seeds cleaned with a hammermill; Longevity is up to 5
The Transmig Trepulgate Tremation	years when held at 1 C; non dormant seeds;
Growing Area Preparation / Annual	Greenhouse or outdoor growing facility; 172 mL
Practices for Perennial Crops	container; Media: 6:1:1 milled sphagnum peat, perlite,
1	and vermiculite
Establishment Phase Details	Germinate more slowly than other forbs/herbs; it may
	be beneficial to fluctuate temperatures in greenhouse or
	grow outdoors; seedlings thinned after appearance of
	leaves
Length of Establishment Phase	4 weeks
Active Growth Phase	Develop rapid roots and shoots 2-4 weeks after
	germinating; fertilize with 20-20-20 NPK biweekly;
	plants are mat forming and may fill container during
	rapid growth
Length of Active Growth Phase	8 weeks

Hardening Phase	Plants fertilized with 10-20-20 liquid NPK in early fall; pots are leached and irrigation is reduced in
I d CII 1 ' DI	September/October
Length of Hardening Phase	4 weeks
Harvesting, Storage and Shipping	Harvest in July; storage in outdoor nursery under
x 1 00	insulating foam cover during winter
Length of Storage	5 months
Guidelines for Outplanting /	n/a
Performance on Typical Sites	
Other Comments	Seeds require light for germination; if direct seeding,
	seeds must be rolled or pressed into ground
INFORMATION SOURCES	
References	Luna, Tara; Evans, Jeff; Wick, Dale; Hosokawa, Joy.
	2008. Propagation protocol for production of
	Container (plug) Antennaria howellii (Fern.) Bayer.
	plants 172 ml container; USDI NPS - Glacier
	National Park West Glacier, Montana.
	Kartesz, J. 2023. "Antennaria suffrutescens Greene."
	USDA NRCS National Plant Data Team
	Flora of North America. "Antennaria suffrutescens
	Greene, Pittonia. 3: 277. 1898." Flora of North
	America. www.eFloras.org
	CalFlora. "Antennaria suffrutescens Greene." CalFlora,
	a 501c3 nonprofit.
	https://www.calflora.org/app/taxon?crn=389
	Antennaria suffrutescens Greene in GBIF Secretariat
	(2022). GBIF Backbone Taxonomy. Checklist
	dataset https://doi.org/10.15468/39omei accessed
	via GBIF.org on 2023-05-23.
Other Sources Consulted	California Native Plant Link Exchange. "Antennaria
	suffrutescens Greene. Evergreen Pussytoes." CNPLE.
Protocol Author	Kyle Yasui
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