Plant Propagation Protocol for Antennaria neglecta

ESRM 412 – Native Plant Production

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

	TAXONOMY
Plant Family	
Scientific Name	Asteraceae
Common Name	Daisy family
Species Scientific Name	
Scientific Name	Antennaria neglecta Greene
Varieties	Antennaria neglecta Greene var. athabascensis
	(Greene) Roy L. Taylor & MacBryde, Antennaria
	neglecta Greene var. campestris (Rydb.) Steyerm.,
	Antennaria neglecta var. argillicola (stebbins)
	Cronquist, Antennaria neglecta var. attenuata (Fernald)
	Cronquist, Antennaria neglecta var. canadensis
	Cronquist, Antennaria neglecta var. gaspensis
	(Fernald) Cronquist, Antennaria neglecta var. howellii
	(Greene) Cronquist, Antennaria neglecta var. neodioica
	(Greene) Cronquist, Antennaria neglecta var.
	petaloidea (Fernald) Cronquist, Antennaria neglecta
	var. <i>randii</i> (Fernald) Cronquist, <i>Antennaria neglecta</i> fo.
	simplex (Peck) Fernald, and Antennaria neglecta var.
	simplex Peck are all varieties of the species (Search).
	simplex reck are an varieties of the species (search).
Sub-species	Antennaria neglecta var. subcorymbosa Fernald and
	Antennaria neglecta subsp. howellii (Greene) Hultén
	are two sub-species is Richardson's needlegrass
	(Search).
Cultivar	
Common Synonym(s)	Antennaria athabascensis, Antennaria campestris var.
	athabascensis, Antennaria campestris Rybd.,
	Antennaria chelonia Lunell, Antennaria erosa Greene,
	Antennaria howellii var. athabascensis (Greene) B.
	Boivan, Antennaria longifolia Greene, Antennaria
	lunelli Greene, Antennaria parvula Greene, and
	Antennaria wilsonii Greene are common synonyms of
	Antennaria neglacta (synonyms).
Common Name(s)	field pussytoes or pussy's toes

Species Code	ANNE
	ERAL INFORMATION
Geographical range	
	Symbol: ANNE USDA-NRCS-NGCE
	British Columbia
Ecological distribution	Open forests of the Coast-Cascade mountains and the Olympics (Pojar).
Climate and elevation range	Dry and sunny climate within low to high elevations (Pojar).
Local habitat and abundance	Meadows and pastures that are dry and open with <i>A.</i> <i>racemosa</i> (Greene).
Plant strategy type / successional stage	This perennial forb plant that has a pioneer role in succession. It along with grass are first to colonize disturbed farmlands (old). <i>Antennaria neglecta</i> is

	drought-tolerant (Grant). This plant is then
	out-competed by more shade-tolerant plants (Reide).
Plant characteristics	This plant grows as a dense mat. It is stoloniferous,
	dioecious, and an angiosperm. It has a short lifespan as
	a forb/shrub (Conservation).
	This plant is drought-tolerant (Pettinger).
PROF	PAGATION DETAILS
Comment	Propagation information is taken from a similar species
	in the same genus, <i>Antenneria rosea</i> , which also lives
	in dry, sunny habitat.
Ecotype	Rain shadow side where it is more dry.
Propagation Goal	Seedling
Propagation Method	Seed
Product Type	Use flats with seeds.
Stock Type	
Time to Grow	two months (Pettinger)
Target Specifications	5-30 cm tall (Pojar)
Propagule Collection Instructions	Seeds should be collected when seeds are mature in late
	summer (robson). The whole stem can be collected
	with shears (Pettinger).
Propagule Processing/Propagule	6600000 seeds per pound (conservation)
Characteristics	
Pre-Planting Propagule Treatments	Seeds should be cleaned from the fluffy chaff and then
	put into cold frame stratification for five month in the
	fall (robson)(pettinger).
Growing Area Preparation / Annual	Seeds should be sown into seed starting mix or garden
Practices for Perennial Crops	soil in indoor flats or open frames. (Grant)
	Once germinated, seedling can be transplanted directly
	into the garden or into individual pots. (pettinger)
	No fertilization needed (Grant).
Establishment Phase Details	5 months (Pettinger)
Length of Establishment Phase	
Active Growth Phase	2 months (Pettinger)
Length of Active Growth Phase	
Hardening Phase	1 month after active growth phase during the winter if
	sown in the fall and 7 months if sown in the spring
	(Grant)
Length of Hardening Phase	
Harvesting, Storage and Shipping	Stolons can be divided in late spring to summer but
	each division should have leaves and roots (Pettinger).
Length of Storage	
Guidelines for Outplanting /	
Performance on Typical Sites	
Other Comments	Do not overwater. The main problem field pussytoe has

	in cultivation is fungal diseases and excess moisture
	(grant).
	INFORMATION SOURCES
References	"Conservation Plant Characteristics Antennaria Neglecta Greene Field Pussytoes ANNE." <i>Conservation</i> <i>Plant Characteristics for ScientificName</i> <i>(CommonName)</i> <i>USDA PLANTS</i> . USDA, 19 May 2017. Web. 19 May 2017.
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	Greene, Edward Lee. <i>Pittonia: A Series of Papers Relating to Botany and Botanists</i> . Berkeley, CA: Doxey &, 1887. Print.
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	Pettinger, April, and Brenda Costanzo. <i>Native Plants in the Coastal Garden: A Guide for Gardeners in the Pacific Northwest</i> . Portland, Or.: Timber, 2003. Print.
	Pojar, Jim. "Aster." <i>Plants of the Pacific Northwest Coast</i> . Place of Publication Not Identified: Partners Pub Group, 2004. 302-03. Print.
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Other Sources Consulted	

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