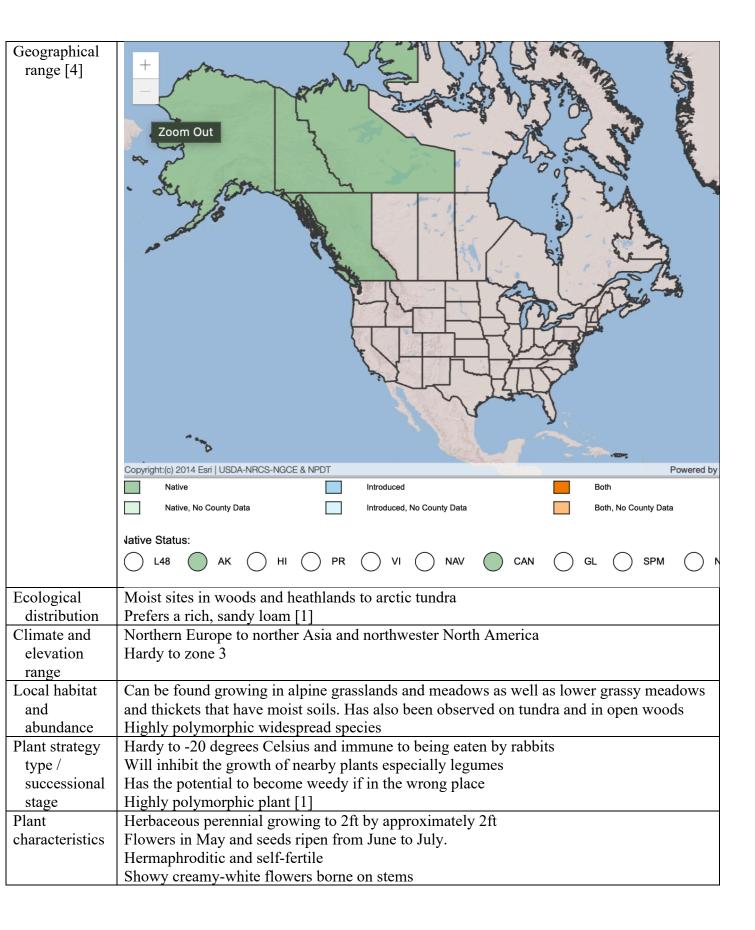
Plant Propagation Protocol for *Anemone narcissiflora* ESRM 412 – Native Plant Production

URL: https://courses.washington.edu/esrm412/protocols/2021/ANNA.pdf

	TAXONOMY		
Plant Family			
Scientific	Ranunculaceae		
Name			
Common	Buttercup Family		
Name			
Species			
Scientific			
Name			
Scientific	Anemone narcissiflora L.		
Name			
Varieties	Anemone narcissiflora L. var. monantha DC.		
	Anemone narcissiflora L. var. alaskana (Hultén) B. Boivin Anemone narcissiflora L. var. interior (Hultén) B. Boivin		
	Anemone narcissiflora L. var. villosissima DC.		
	Anemone narcissiflora L. var. zephyra (A. Nelson) Dutton & Keener		
	[4]		
Sub-species	Anemone narcissiflora L. ssp. alaskana Hultén		
	Anemone narcissiflora L. ssp. interior Hultén Anemone narcissiflora L. ssp. sibirica (L.) Hultén		
	Anemone narcissiflora L. ssp. sibinca (L.) Hultén		
	Anemone narcissiflora L. ssp. zephyra (A. Nelson) Hultén		
	[4]		
Cultivar	Anemone narcissiflora L. var. villosissima DC.		
Common	Anemonastrum narcissiflorum (L.) Holub ssp. villosissimum (DC.)		
Synonym(s)	Anamana namiasiflam I. aan villasiasina (DC)		
	Anemone narcissiflora L. ssp. villosissima (DC.)		
Common	Narcissus Wind-flower		
Name(s)	Translation of the Horizon		
Species Code	ANNA		
(as per			
USDA			
Plants			
database)			
	GENERAL INFORMATION		



The stem leaves are deeply lobed, sessile and smaller than the long-stemmed, ternately cleft basal leaves

Flowers occur singly or up to three per cluster

Lowland forms of this plant are larger than plants at a higher elevation

The plant is more or less soft-hairy





[6]

PROPAGATION DETAILS

Ecotype	
Propagation	Plants
Goal	
Propagation	Vegetative
Method	
Product Type	Propagules
Stock Type	Root cutting
Time to Grow	12 months
Target	12 inches tall
Specification	
S	
Propagule	Take root cuttings in fall or early winter [2]
Collection	
Instructions	
Propagule	Harvest roots from bottom third of containerized plants and cut them into 1-to-4-inch
Processing/P	pieces which are 1/8 to 1/4 inch thick [2]
ropagule	
Characteristi	
cs	

Pre-Planting	Missing
Propagule Treatments	
Growing Area Preparation / Annual	Strike these root cuttings into liner trays or scatter over the surface of growing mix and then cover with additional growing medium
Practices for	Use a porous well-draining soil mix Can be grown in 1-to-2-gallon pots
Perennial	[2]
Crops	
Establishment Phase Details	Keep the root cuttings at cool temperatures for the duration of the winter (at or bellow 40 degrees Fahrenheit) for 6 weeks [2]
Length of Establishme nt Phase	2 months
Active Growth	After 6 weeks of cold gradually increase the temperature to 65 degrees Fahrenheit to
Phase	promote root and shoot development, allow 6-to-8 weeks until the plants are well rooted
	and large enough for transplanting [2]
Length of Active Growth	4 months
Phase	
Hardening	Grow with light to moderate fertility levels
Phase	Never allow the plants to dry out or wilt Keep moist but not saturated
	Grow plants in full sun with some shade provided during the heat of the day
	No pinching or maintenance is required
Length of	[2] 2 months
Hardening Phase	2 months
Harvesting, Storage and Shipping	Plants grown in 1-to-2-gallon pots can be directly transplanted to the ground Ship the adult plants in 65-degree temperatures to avoid heat stress and drying
Length of Storage	1 month
Guidelines for Outplanting / Performance	If the plants were grown from root stock in the early fall they should be able to flower the following fall, if spring or summer flowering is desired adult plants must be exposed to altered photo periods in order to force flowering
on Typical Sites	
	Propagation Details

Ecotype	
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container
Stock Type	
Time to Grow	12 months
Target Specification s	8 inches
Propagule Collection Instructions	Collect seeds in early September after the seed's heads have dried on the plant [5]
Propagule Processing/P ropagule Characteristi cs	The seeds do not store well, plant as soon as possible [3]
Pre-Planting Propagule Treatments	Use a running water bath to soak the seeds for 24 hours and then cold stratify in the soil over winter in damp conditions [3]
Growing Area Preparation / Annual Practices for Perennial Crops	Plant the seeds in the fall in a flat of rich sandy loamed soil that is kept moist Overwinter the seeds in this soil [1]
Establishment Phase Details	Surface sow or only just cover the seeds and keep the soil moist Seeds germinate in 1-6 months at 15 degrees Celsius
Length of Establishme nt Phase	1-6 months
Active Growth Phase	When large enough to handle prick the seeds out and place into individual 1 gallon pots and grow them in light shade in the greenhouse for at least a year [3]
Length of Active Growth Phase	1 year
Hardening Phase	No hardening phase required

Length of Hardening Phase	Missing	
Harvesting, Storage and Shipping	Once a large enough size the seedlings can be shipped in their 1-gallon container at 65 degrees Fahrenheit to reduce the stress on the plants	
Length of Storage	Once seedlings are large enough plant them out in the spring 2 months [3]	
Guidelines for Out planting/ Performance on Typical Sites	Plant in full sun to light shade in rich loamy soils Plant directly into the ground	
INFORMATION SOURCES		
References	[1] "Anemone narcissiflora: Narcissus Wind-flower." Dempstercounty.org. CYSIP References. Web. April 2021. http://www.flora.dempstercountry.org/0.Site.Folder/Species.Program/Species2.php?species_id=Ane.narci . [2] "Anemone Narcissiflora L." alaskawildflower.us. Alaska Wildflowers. Web. June 2021. http://www.alaskawildflowers.us/Kingdom/Plantae/Magnoliophyta/Magnoliopsida/Ranunculaceae/Anemone_narcissiflora/index.html. [3] "Anemone narcissiflora – L." pfaf.org. Plants for a Future. Web. April 2021. https://pfaf.org/user/Plant.aspx?LatinName=Anemone+narcissiflora . [4] "Anemone narcissiflora". Usda.gov. United Sates Department of Agriculture. Web. April 2021. <a 2015.="" <a="" bird="" center.="" database."="" href="https://www.wildflower.org/plants/result.php?id_plant=ANNA" johnson="" lady="" may="" plants="" web.="" wildflower="" wildflower.org.="">https://www.wildflower.org/plants/result.php?id_plant=ANNA .	
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