Plant Propagation Protocol for Androsace septentrionalis

ESRM 412 – Native Plant Production

Protocol URL: https://courses.washington.edu/esrm412/protocols/ANSE4.pdf

TAXONOMY		
Plant Family		
Scientific Name	Primulaceae ¹	
Common Name	Pygmyflower Rockjasmine ¹	
Species Scientific Name		
Scientific Name	Androsace septentrionalis L. ¹	
Varieties		
Sub-species	Androsace septentrionalis subsp. glandulosa, (Woot. & Standl.) G.T. Robbins ¹	
	Androsace septentrionalis subsp. puberulenta, (Woot. & Standl.) G.T. Robbins ¹	
	Androsace septentrionalis subsp. septentronalis, USDA, NRCS ¹ Androsace septentrionalis subsp. subulifera, (Woot. & Standl.) G.T. Robbins ¹	
	Androsace septentrionalis subsp. subumellatai, (Woot. & Standl.) G.T. Robbins ¹	
Cultivar		
Common Synonym(s)	Pygmyflower Rockjasmine, Northern Rockjasmine, Northern Fairy Candelabra	
Common Name(s)		
Species Code (as per USDA Plants database)	ANSE4 ¹	
GENERAL INFORMATION		

Geographical range	ANRCS I PLANES.
	Symbol: ANSE4 NRCS (SSTI)
	Native, No County Date Detendanced, No County Date Bath, No County Date
	Washington
Ecological distribution	Occurs in facultative to obligate upland areas ¹ , Found in moist
Leological distribution	mountain soil throughout western mountains and east across Great Plains to Mississippi Valley ² . Circumboreal species ³ . Open areas with sand-gravel soil in grassland, shrub, forest, and tundra communities ⁴ .
Climate and elevation range	Occurs from low elevations at high latitudes to alpine tundra ⁴ .
Local habitat and abundance	Open areas with sand-gravel soil in grassland, shrub, forest, and tundra communities ⁴ . Prefers well-drained soils in low altitudes ⁵ .
Plant strategy type / successional stage	Drought tolerant, evergreen, handles variable soil conditions ³
Plant characteristics	Annual or bienniel herb with simple leaves and bisexual flowers, typically less than 30cm in height. Morphology is complex and variable based on elevation, light and exposure. High elevations

	produce mere petite encoimen levelands can produce tell plants
	produce more petite specimen, lowlands can produce tall plants,
	shaded areas may have flowers with long stalks, exposed may have shorter stalks ⁴ . Takes full sun, produces a small white
	flower blooms mid to late spring ⁵ .
	PROPAGATION DETAILS
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Ecotype	DI 4 3
Propagation Goal	Plants ³
Propagation Method	Seed ³
Product Type	Container (Plug) ³
Stock Type	
Time to Grow	
Target Specifications	Plants produced should be 3-25cm tall from a single taproot,
	stems are variable and may be hairless to short hairy to densely
	haired. Leaves are 1-3cm long oblate narrowing at the base. The
	flowers may be clusters or individual with 3-25 flowers on stems
	1-5cm long, and consist of 5 rounded lobes. Fruit grows in
	capsules, top-shaped to round, approximately the size of the calix
D 1 C 11 c'	tube, seeds are dark brown and about 1mm long ⁶ .
Propagule Collection	Flowers produced from May-August.
Instructions	F : 1 1 1 7
Propagule	Fruits, nearly globose
Processing/Propagule	
Characteristics	Seeds are non-dormant ³
Pre-Planting Propagule Treatments	Seeds are non-dormant
	Ontimal analysing conditions; full our with day condy soil soil all
Growing Area Preparation / Annual Practices for	Optimal growing conditions: full sun with dry sandy soil, soil pH neutral or alkaline or acid ⁵
Perennial Crops	lieutiai of alkalille of acid
Establishment Phase Details	Germination occurs at 32°C day 22° C night alternating
Establishment Fhase Details	temperature cycle ³
Length of Establishment	temperature cycle
Phase	
Active Growth Phase	
Length of Active Growth	
Phase	
Hardening Phase	
Length of Hardening Phase	
Harvesting, Storage and	
Shipping	
Length of Storage	
Guidelines for Outplanting /	Preferentially found in alpine rocky conditions, grows to 25 cm
Performance on Typical	spreading to 20 cm ⁵
Sites	sprouding to 20 cm
Other Comments	Not easily divided, may self sow ⁵
Chief Comments	INFORMATION SOURCES
	INTURIVIATION SOURCES

References	¹ USDA Natural Resources Conservation Service. (n.d.). <i>Androsace septentrionalis L.</i> Retrieved May 18, 2015, from plants.usda.gov: http://plants.usda.gov/core/profile?symbol=anse4
	² Lady Bird Johnson Wildflower Center. (2015). <i>NPIN: Native Plant Database: Androsace septentrionalis</i> . Retrieved May 18, 2015, from Wildflower.org: http://www.wildflower.org/plants/result.php?id_plant=ANSE4
	³ Baskin, C. C., & Baskin, J. M. (2002). <i>Propagation protocal for production of container Androsace septentrionalis L. plants</i> . Retrieved May 18, 2015, from Nativeplantnetwork.org: http://www.nativeplantnetwork.org/Network/ViewProtocols.aspx?ProtocolID=1484&referer=wildflower
	⁴ eFloras.org. (n.d.). <i>Flora of North America: Androsace septentrionalis L.</i> Retrieved May 18, 2015, from eFloras.org: http://www.efloras.org/florataxon.aspx?flora_id=1&taxon_id=20 0016950
	⁵ Heritage Perennials. (2015). <i>Androsace septentrionalis 'Star Dust'</i> . Retrieved May 18, 2015, from Perennials.com: http://www.perennials.com/plants/androsace-septentrionalis-stardust.html
	⁶ Plant-Life.org. (n.d.). <i>Northern Rock Jasmine Androsace septentrionalis L.</i> Retrieved May 18, 2015, from montana.plant-life.org: http://montana.plant-life.org/species/andro_septen.htm
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	Missouri Botanical Garden. (2015). <i>Androsace septentrionalis L.</i> Retrieved May 18, 2015, from Tropicos.org: http://www.tropicos.org/namesearch.aspx?name=androsace+septe ntrionalis
	Wa Native Plant Society. (2015). Androsace septentrionalis.

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