
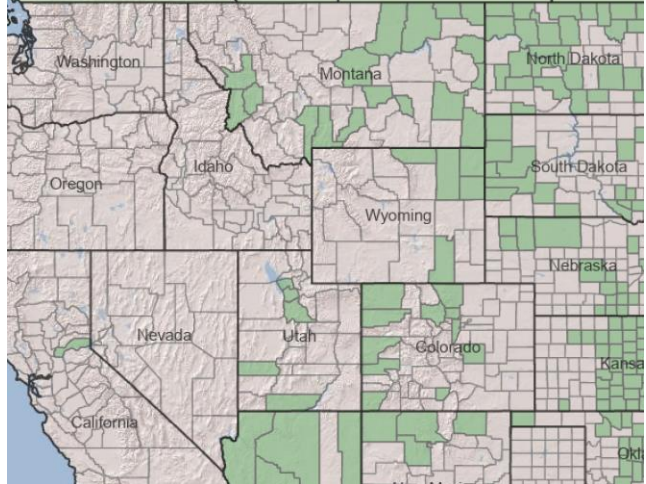


Plant Propagation Protocol for western rockjasmine (*Androsace occidentalis*)

ESRM 412 – Native Plant Production

URL: <https://courses.washington.edu/esrm412/protocols/2026/ANOC2.pdf>

Taxonomy	
Plant Family	
Scientific Name:	Primulaceae
Common Name:	Primrose
Species Scientific Name	
Scientific Name:	<i>Androsace occidentalis</i> Pursh
Varieties:	Not recognized by USDA.
Sub-species:	Not recognized by USDA.
Cultivar:	Not recognized by USDA.
Common Synonym(s)	<i>Androsace occidentalis</i> Pursh var. <i>arizonica</i> ¹ <i>Androsace occidentalis</i> Pursh var. <i>simplex</i> ¹
Common Name(s)	Western rockjasmine, Western rock-jasmine, Western androsace ⁴
Species Code (as per USDA Plants database)	ANOC2 ¹
GENERAL INFORMATION	
Geographical range	

	
Ecological distribution	Found in gravel/sand, moisture-rich areas. They are commonly found in disturbed soils. ^{2, 3, 4}
Climate and elevation range	Found between 0-8,000ft in elevation, this species is prominently observed to grow in elevations of 500-2,000ft and usually during the warmer months during springtime. ⁵
Local habitat and abundance	Common in pastures that are grazed upon. This is likely due to reduced competition. Can be found in red fir forests. ^{2, 3}
Plant strategy type / successional stage	Dwarf annual Forb/herb.
Plant characteristics	There are 3-15 small annual flowers found at the top of a thin stem (~3 inches). Their leaves are ovate, slightly narrow towards the base which consists of oblong-shaped bracts and tend to form a rosette. Also, the stems and the tubular calyx are relatively hairy. ^{4, 7}
PROPAGATION DETAILS: FROM SEED	
Propagation Goal	Plant from seed.
Propagation Method	Seed.
Product Type	Container (plug).
Stock Type	
Time to Grow	No specific information found on length of growth. However, they're observed growth happens between early spring to mid-summer as they die down no later than that point in the season. Thus, within a few months the plant is able to reproduce and die off. ²
Target Specifications	2-3 inches in height.
Propagule Collection Instructions	In bloom during April – May, thus late April – early June for seed collecting. Typically found from fruits. ^{4, 7}
Propagule Processing/Propagule Characteristics	No information found on seed collection or when. However, there are typically 20-50 seeds per fruit.

Pre-Planting Propagule Treatments	Similar species like Northern androsace (<i>Androsace septentrionalis</i>) are noted with zero dormancy. ⁸
Growing Area Preparation / Annual Practices for Perennial Crops	In well-draining soils. Within full sun, within its own container. ⁸ Long containers for slender taproot ⁷
Establishment Phase Details	Some <i>Androsace</i> genus species are able to withstand low nutrient soils, so long as they are able to drain well. ¹⁰
Length of Establishment Phase	Northern androsace (<i>Androsace septentrionalis</i>) begins to germinate during an alternating cycle of 32°C during the day and 22°C at night. ⁸
Active Growth Phase	Lots of growth and development happens during the warmer months of spring. Since their lifespans are relatively short, this happens quickly. ²
Length of Active Growth Phase	Approximately 3-4 weeks. ^{2,5}
Hardening Phase	Typically, plants are moved into new environments are shadier and between 4.5°C - 13°C. ¹¹
Length of Hardening Phase	Not much information on specific species, but some handbooks suggest hardening phases takes place 1-2 weeks before outplanting onto a site. ¹¹
Harvesting, Storage and Shipping	No specific information found on harvesting, storage, or shipping.
Length of Storage	Some recommendations are to make the length of storage relatively short as their life span is short as well. Otherwise, no specific information on the exact storage aspects to keep in mind. ⁵
Guidelines for Outplanting / Performance on Typical Sites	Plant during early spring and away from woody species as overgrowth of these species is a concern to these plants. ^{2,9}
Other Comments	<ul style="list-style-type: none"> - Not much available information on the propagation storage of these species. - Most information taken from congener species (such as the Northern androsace).
INFORMATION SOURCES	
References	See Below ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
Other Sources Consulted	See below ¹¹
Protocol Author	Micah Rogers
Date Protocol Created or Updated	04/28/26

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https://www.illinoiswildflowers.info/weeds/plants/rock_jasmine.html.

[3] CalScape. (n.d.). *Western Rock-jasmine*. California Native Plant Society.
[https://calscape.org/Androsace-occidentalis-\(Western-Rock-jasmine\)](https://calscape.org/Androsace-occidentalis-(Western-Rock-jasmine)).

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- [6] Robbins, T.G. (July, 1944). *North American Species of Androsace*. The American Midland Naturalist. 32(1). <https://doi.org/10.2307/2421367>.
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- [10] Wall. (n.d.). *Androsace - Wall*. Plants for a future. <https://pfaf.org/user/Plant.aspx?LatinName=Androsace>.
- [11] UC Master Gardeners of Santa Clara County. (n.d.). *Hardening plants*. California Master Gardener Handbook. 2. <https://mgscchelpdesk.zohodesk.com/portal/en/kb/articles/hardening-plants#:~:text=Excerpt%20From:%20California%20Master%20Gardener,not%20allow%20plants%20to%20wilt>.