

Plant Propagation Protocol for *Arabis oregana*

ESRM 412 – Native Plant Production

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



(Oregon Flora)

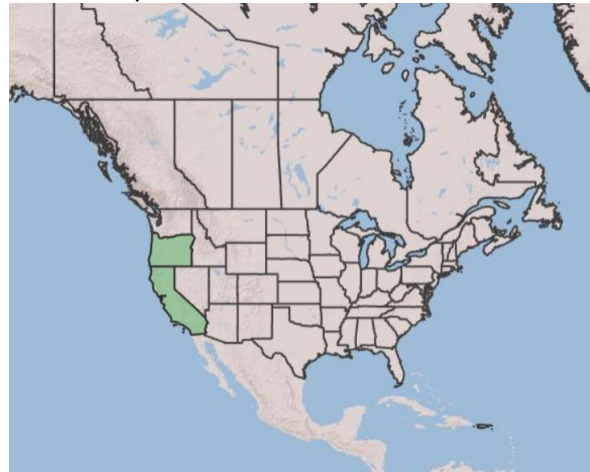
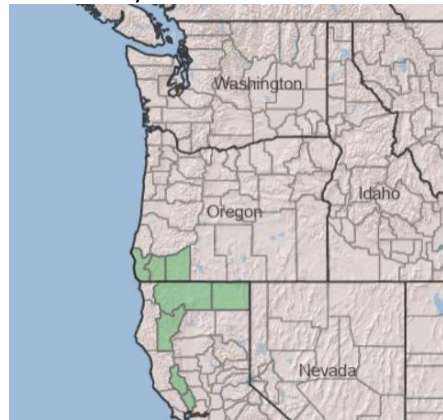
TAXONOMY	
Plant Family	
Scientific Name	<i>Brassicaceae</i>
Common Name	Mustard Family
Species Scientific Name	
Scientific Name	<i>Arabis oregana</i> Rollins
Varieties	N/A
Sub-species	N/A
Cultivar	N/A
Common Synonym(s)	<i>Arabis purpurascens</i> Howell ex Greene
Common Name(s)	Oregon rockcress Oregon rock cress
Species Code (as per USDA Plants database)	AROR
GENERAL INFORMATION	
Geographical range	Found in southern Oregon and northwestern California, specifically the Klamath Ranges and North Coast Ranges bioregions, in Lake, Modoc, Napa, Siskiyou, and Trinity counties (CNPS). Green indicates native status.

North America distribution map (USDA Plants Database)



Pacific Northwest distribution map (USDA Plants Database)



	<p>North America distribution map (USDA Plants Database)</p>  <p>Pacific Northwest distribution map (USDA Plants Database)</p> 
<p>Ecological distribution</p>	<p>Rocky herb- and shrubland, serpentine-like soil (PNW Herbaria)</p>
<p>Climate and elevation range</p>	<p>Chaparral and Lower montane coniferous forest; 1970-6005 ft (CNPS)</p>
<p>Local habitat and abundance</p>	<p>Steep, rocky hillsides and banks; moist granitic soil; chaparrals. (Oregon Flora)</p> <p>Ranked 4.3 on the CA Rare Plant Rank scale, indicating that the plant is uncommon/of limited distribution and is not very threatened in the state of California (CNPS).</p>

Plant strategy type / successional stage	Stress-tolerant; inhabits nutrient-poor serpentine or granitic soils on steep, dry slopes (Oregon Flora).
Plant characteristics	<p>Habit: Perennial forb/herb; caudex branched or not; hairs simple and long-stalked-forked to 2 mm, some 3- to 4-rayed.</p> <p>Stem: 1 or few, branched or simple, 2-5 dm; hairs simple and forked.</p> <p>Leaf: basal 1.5-8(12) cm, obovate to oblanceolate, entire to wavy-margined or dentate, hairy on surfaces or occasionally margins only; cauline 3-6(7), not basally lobed, oblong, entire or dentate.</p> <p>Flower: sepals (5)6-8 mm; petals (10)12-15(16) mm, (3)4-5 mm wide, purple or pink.</p> <p>Fruit: erect to ascending, (3)4.5-5 cm, 1.5-2 mm wide, straight, glabrous; style 0.5-1 mm; pedicel ascending to erect, 5-10 mm, hairy to glabrous.</p> <p>Seed: 24-30, oblong; wing to 0.1 mm wide, at 1 end or 0. (Al-Shehbaz)</p>
PROPAGATION DETAILS: FROM SEED	
Ecotype	N/A
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container (plug)
Stock Type	
Time to Grow	3 to 5 months (Calflora)
Target Specifications	Mature plants grow up to 50 inches. (LBJ Wildflower Center)
Propagule Collection Instructions	Collect seeds in mid- to late summer (LBJ Wildflower Center).
Propagule Processing/Propagule Characteristics	Similar plants in the <i>Arabis</i> genus (<i>A. alpina</i>) have seed densities of 1,410,000 seeds per pound (BBB Seed).
Pre-Planting Propagule Treatments	Similar plants in the <i>Arabis</i> genus (<i>A. mcdonaliana</i> ; <i>A. platysperma</i>) germinated at near 100% after ~8 weeks of cold stratification followed by direct 20°C treatments to overcome physiological dormancy (Center for Plant Conservation).

Growing Area Preparation / Annual Practices for Perennial Crops	Similar plants in the <i>Arabis</i> genus (<i>A. platysperma</i>) were propagated from seeds in cone-tainers filled with Sunshine #1 (soilless peat-based media amended with micronutrients (Micromax) and a slow-release fertilizer (Osmocote 14-14-14) (Bartow).
Establishment Phase Details	N/A
Length of Establishment Phase	Similar plants in the <i>Arabis</i> genus (<i>A. platysperma</i>) sprouted seedlings within one week of being removed from cold stratification (Bartow).
Active Growth Phase	Tolerant of 81 to 206 cm annual precipitation and temperature ranges of 9 to 16°C with lows of -1°C and highs of 33°C (Calflora).
Length of Active Growth Phase	Blooms for 4 to 8 weeks in May/June (LBJ Wildflower Center).
Hardening Phase	N/A
Length of Hardening Phase	N/A
Harvesting, Storage and Shipping	N/A
Length of Storage	Similar plants in the <i>Arabis</i> genus (<i>A. Hirsuta</i>) can be stored for short amounts of time (Lambert).
Guidelines for Outplanting / Performance on Typical Sites	Mature plants grow up 50 cm (LBJ Wildflower center). Similar plants in the <i>Arabis</i> genus (<i>A. platysperma</i>) flower during the first year after growth (Bartow).
Other Comments	Very little formal information is available for <i>Arabis oregana</i> , including specific propagation protocols. Many of the details included are adapted from protocols prepared for plants within the <i>Arabis</i> genus that occur in similar habitats and geographical ranges to <i>A. oregana</i> .
INFORMATION SOURCES	
References	See Below

Other Sources Consulted	N/A
Protocol Author	Emma Bastien
Date Protocol Created or Updated	05/18/26

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