

Plant Propagation Protocol for *Arabis breweri*

ESRM 412 – Native Plant Production


URL: [https://courses.washington.edu/esrm412/protocols/\[2022\]/\[ARBR.pdf\]](https://courses.washington.edu/esrm412/protocols/[2022]/[ARBR.pdf])



TAXONOMY

Plant Family	
Scientific Name	<i>Arabis breweri</i>
Common Name	Brewer’s rockcress
Species Scientific Name	
Scientific Name	<i>Arabis breweri</i> S. Watson
Varieties	<i>Arabis breweri</i> S. Watson var. <i>austiniae</i> (Greene) Rollins <i>Arabis breweri</i> S. Watson var. <i>breweri</i> <i>Arabis breweri</i> S. Watson var. <i>pecuniaria</i> Rollins
Sub-species	NA
Cultivar	
Common Synonym(s)	<i>Boechea breweri</i> (S. Watson) Al-Shehbaz – new DNA analysis led to the reassignment of the plant to the <i>Boechea</i> genus, appears in literature as both names.
Common Name(s)	
Species Code (as per USDA Plants database)	ARBR ARBRA ARBRB ARBRP

GENERAL INFORMATION

Geographical range	 <p data-bbox="532 905 1500 940">Native in parts of southern Oregon and throughout Northern California</p>
Ecological distribution	Mountain slopes, moderate moisture levels
Climate and elevation range	1500-7500 ft elevation (Calscape)
Local habitat and abundance	Grows on slopes and rocky outcrops
Plant strategy type / successional stage	No information founds
Plant characteristics	Forb/herb, Subshrub (USDA Database) Perennial herb, pink/purple flowers when in bloom (Calscape)
PROPAGATION DETAILS	
Ecotype	NA
Propagation Goal	Cuttings
Propagation Method	Vegetative
Product Type	Propagules
Stock Type	NA
Time to Grow	Specific timing not given
Target Specifications	Once individual cuttings have produced new leaves and roots, replot into individual containers
Propagule Collection Instructions	Remove healthy, non-flowering rosettes from the parent plant with some stem still attached. Remove lower leaves, so each cutting has short stem and a rosette of leaves at the top.
Propagule Processing/Propagule Characteristics	Information not found

Pre-Planting Propagule Treatments	Information not found
Growing Area Preparation / Annual Practices for Perennial Crops	Use of a high nitrogen fertilizer when first planting
Establishment Phase Details	Information not found
Length of Establishment Phase	Information not found
Active Growth Phase	Information not found
Length of Active Growth Phase	Information not found
Hardening Phase	Information not found
Length of Hardening Phase	Information not found
Harvesting, Storage and Shipping	Information not found
Length of Storage	Information not found
Guidelines for Outplanting / Performance on Typical Sites	Information not found
Other Comments	All of the scientific sources that I found for <i>Arabis breweri</i> and <i>Boechea breweri</i> had information about the plants, but none had information about the propagation or growing of them. The only places I was able to find information about propagation was from gardening sites, but even this information is very basic and did not go into great detail about each of the different growing stages.
INFORMATION SOURCES	
References	<p><i>Arabis breweri</i> S. Watson. USDA plants database. (n.d.). Retrieved May 24, 2022, from https://plants.sc.egov.usda.gov/home/plantProfile?symbol=ARBR</p> <p>Arabis Breweri Calflora. (n.d.). Retrieved May 24, 2022, from https://www.calflora.org/app/taxon?crn=438</p> <p><i>Brewer's Rock Cress, Boechea Breweri ssp. breweri</i>. California Native Plant Society. (n.d.). Retrieved May 24, 2022, from https://calscape.org/Arabis-breweri-()</p> <p>Patterson, S. (2021, July 4). <i>Rock Cress Ground Cover: Information on growing and care of rock cress ...</i> Gardening Know How. Retrieved May 25, 2022, from</p>

	<p>https://www.gardeningknowhow.com/ornamental/groundcover/rock-cress/growing-rock-cress.htm</p> <p>Magazine, B. B. C. G. W. (2019, November 13). <i>Propagating arabis</i>. BBC Gardeners World Magazine. Retrieved May 24, 2022, from https://www.gardenersworld.com/how-to/grow-plants/propagating-arabis/</p>
Other Sources Consulted	<p>MacKinnon, A., Pojar, J., & MacKinnon, A. (2016). Mustard. In <i>Plants of the Pacific Northwest Coast: Washington, Oregon, British Columbia & Alaska</i> (pp. 147–147). essay, Partners Publishing.</p> <p><i>Boechea breweri</i> (s. Watson) Al-Shehbaz. Oregonflora. (n.d.). Retrieved May 24, 2022, from https://oregonflora.org/taxa/index.php?taxon=3283&synonym=2840</p> <p><i>Boechea breweri subsp. breweri</i> (Brewer's rockcress). Native Here Nursery. (2022, May 21). Retrieved May 24, 2022, from https://nativeherenursery.org/product/boechea-breweri-subsp-breweri/</p> <p><i>Brewer's Rockcress</i>. The Nature Niche. (2018, March 5). Retrieved May 24, 2022, from https://thenatureniche.com/2018/03/05/brewers-rockcress/</p>
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Date Protocol Created or Updated	05/24/2022