Plant Propagation Protocol for Ranunculus cymbalaria

ESRM 412 – Native Plant Production

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

	TAXONOMY
Plant Family	
Scientific Name	Ranunculaceae ⁶
Common Name	Buttercup family ¹
Species Scientific Name	
Scientific Name	Ranunculus cymbalaria Pursh ⁶
Varieties	None ⁶
Sub-species	None ⁶
Cultivar	None ⁶
Common Synonym(s)	 Cyrtorhyncha cymbalaria (Pursh) Britton⁶ Cyrtorhyncha cymbalaria (Pursh) Britton ssp. alpina (Hook.) Á. Löve & D. Löve⁶ Halerpestes cymbalaria (Pursh) Greene⁶ Halerpestes cymbalaria (Pursh) Greene ssp. saximontana (Fernald) Moldenke⁶ Ranunculus cymbalaria Pursh ssp. saximontanus (Fernald) Thorne⁶ Ranunculus cymbalaria Pursh var. alpinus Hook. ⁶ Ranunculus cymbalaria Pursh var. saximontanus Fernald⁶ Ranunculus cymbalaria Pursh var. typicus L.D. Benson⁶
Common Name(s)	alkali buttercup, seashore buttercup ^{6,5}
Species Code (as per USDA Plants database)	RACY ⁶
GENE	RAL INFORMATION
Geographical range	

	Oragon 6
Ecological distribution	It prefers moist environments, often found along the shores of alkaline ponds where soil is saline, explaining its common name. It can be found in tidal flats and more rarely in sagebrush communities. ¹
Climate and elevation range	They do not have any strict climate restrictions as they are found in varying climates worldwide. They grow below 3200 meters. ¹
Local habitat and abundance	This species can be found outside of Seattle, usually surrounding salt marshes. ³
Plant strategy type / successional stage	Stress-tolerator ¹
Plant characteristics	This is a shrub. It is a perennial with receptacle bristly or glabrous yellow flowers; 5 sepals, spreading, and 2.56 mm long. The basal leaves are long-petioled and ovate, while the stem leaves are sessile and bract like. The plant can grow as tall as 30 cm tall. ³
	AGATION DETAILS
Ecotype	N/A
Propagation Goal	Plants ⁴
Propagation Method	Vegetative ⁴
Product Type	Bareroot ⁴
Stock Type	N/A

Time to Grow	N/A
Target Specifications	Collect healthy target plants, ideally with well-
	developed root systems. 4
Propagule Collection Instructions	Collect in spring or autumn. 4
Propagule Processing/Propagule	N/A
Characteristics	
Pre-Planting Propagule Treatments	Divide the plant into two separate ones carefully, as to
	not break off too much of the root system on damage to
	leafy areas. ⁴
Growing Area Preparation / Annual	Mulch the growing area every year, the plants should
Practices for Perennial Crops	be ready to be removed and divided again every three
	years. Plant 9-12 inches apart in groups. Area should
	be moist and shaded, or semi shade. 4
Establishment Phase Details	N/A
Length of Establishment Phase	N/A
Active Growth Phase	N/A
Length of Active Growth Phase	N/A
Hardening Phase	N/A
Length of Hardening Phase	N/A
Harvesting, Storage and Shipping	N/A
Length of Storage	N/A
Guidelines for Outplanting /	Wait at least three years before moving or attempting
Performance on Typical Sites	to divide. Will spread via stolon naturally as well. ^{2,4}
Other Comments	This plant is mildly poisonous, wear gloves while
	working with it and avoid ingesting or prolonged
	contact with the skin. ⁵
INFOR	RMATION SOURCES
References	1.Brayshaw, T. C. (1989). Buttercups, waterlilies, and
	their relatives: (the order Ranales) in British
	Columbia. Victoria: Royal British Columbia
	Museum.
	2.Oregon State University. (2018, July 25). Rhizomes
	and Stolons. Retrieved May 29, 2019, from
	https://forages.oregonstate.edu/regrowth/how-does-
	grass-grow/developmental-phases/vegetative-
	phase/rhizomes-and-stolons
	3.Robson, K. A., Richter, A., & Filbert, M.
	(2008). Encyclopedia of northwest native plants for
	gardens and landscapes. Portland, Or.: Timber
	Press.
	4. Sudell, R. (n.d.). Herbaceous borders and the
	waterside. London: English Universities Press.
	5. The University of Texas. (2010, March 10).
	Ranunculus cymbalaria. Retrieved May 29, 2019,
	from https://www.wildflower.org/plants/
	result.php?id_plant=RACY

	6.USDA. (n.d.). Ranunculus cymbalaria Pursh.
	Retrieved May 29, 2019, from
	https://plants.usda.gov/core/profile?symbol=RACY
Other Sources Consulted	Kellaway, D. (1994). Clematis and the
	Ranunculaceae: A family of flowers.
	North Pomfret, VT: Trafalgar Square Pub.
	Ranunculus cymbalaria. (2018, February 08).
	Retrieved May 29, 2019, from
	https://en.wikipedia.org/wiki/
	Ranunculus_cymbalaria
	University of Washington. (n.d.). Ranunculus
	cymbalaria. Retrieved May 29, 2019, from
	http://biology.burke.washington.edu/herbarium
	/imagecollection.php?Genus=Ranunculus
	&Species=cymbalaria
	Wilken, D. H. (1993). RANUNCULACEAE. Retrieved
	May 29, 2019, from http://ucjeps.berkeley.edu/cgi-
	bin/get_JM_treatment.pl?6434,6527,0,6542
Protocol Author	Henry Bates
Date Protocol Created or Updated	05/29/19