Plant Propagation Protocol for Cassiope lycopodioides

ESRM 412 – Native Plant Production

URL: https://courses.washington.edu/esrm412/protocols/2022/CALY4.pdf

TAXONOMY		
Plant Family		
Scientific Name	Ericaceae	
Common Name	Heaths	
Species Scientific		
Name		
Scientific Name	Cassiope lycopodioides (Pall.) D. Don	
Varieties	None	
Sub-species	None from USDA Plants database.	
Cultivar	None	
Common Synonym(s)	No information available.	
Common Name(s)	Clubmoss mountain heather	
Species Code (as per	CALY4	
USDA Plants		
database)		
GENERAL INFORMATION		

Geographical range	Images courtesy of USDA Website (4). Occurring in British Columbia (but not NW B.C. and NW Vancouver Island) to AK, Washington; NE Asia (6).
Ecological distribution	Lives in ecosystems that are mesic to dry slopes, heath, and meadows in the subalpine and alpine zones (6).
Climate and elevation range	General Elevation: 750-990m In Washington, <i>C. lycopodioides</i> is found in a steep, rock ravine at elevation of 580-670m (5).
Local habitat and abundance	Commonly found on rock faces and often near waterfalls, streams, or other moist areas.
Plant strategy type / successional stage	No information available.

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Plant characteristics	Shrub, Evergreen, Flowers are pendent, solitary, axillary, and a white bell-shape. Shoots are dense, slender, and covered in small ovate, glabrous leaves, which are only 1/12 in. wide. Leaves have no groove on back (3).
	Images courtesy of Burke Museum (Ben Legler)
PROPAGATION DETAILS: Seed	
Ecotype	No information available.
Propagation Goal	Plants
Propagation Method	Seed

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Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container (plug)
Stock Type	No information available.
Time to Grow	No information available.
Target Specifications	No information available.
Propagule Collection	No information available.
Instructions	
Propagule	No information available.
Processing/Propagule	
Characteristics	
Pre-Planting Propagule	No information available.
Treatments	
Growing Area	For genus:
Preparation / Annual	Sow seeds on a surface of acid humus soil compost.
Practices for	Position in area with partial shade; soil should be loam; moisture well-
Perennial Crops	drained and pH acidic (2).
Establishment Phase	Keep in a well-ventilated frame; surface of soil should be covered in
Details	sphagnum moss.

Length of	For genus:
Establishment Phase	Minimum germination time is a month but may be much longer and can be
Establishment i nase	delayed until moss is formed on surface of peat (1).
	delayed until moss is formed on surface of peat (1).
	No information on the maximum time for germination.
Active Growth Phase	No information available.
Length of Active	No information available.
Growth Phase	Two information available.
Hardening Phase	No information available.
Length of Hardening	No information available.
Phase	
Harvesting, Storage	No information available.
and Shipping	
Length of Storage	No information available.
Guidelines for	No information on percent survival or time before flowering.
Outplanting /	
Performance on	Will reach ultimate height of 10 cm in 10-20 years. Ultimate spread is 0.1-
Typical Sites	0.5m (2).
Other Comments	None
	PROPAGATION DETAILS: Vegetative
Ecotype	No information available.
Propagation Goal	Plants
Propagation Method	Vegetative
Product Type	Container (plug)
Stock Type	No information available.
Time to Grow	No information available.
Target Specifications	No information available.
Propagule Collection	Cut shoot tips in late summer or autumn; cuttings should be semi hardwood
Instructions	(1).
Propagule	No information available.
Processing/Propagule	
Characteristics	
Pre-Planting Propagule	No information available.
Treatments	
Growing Area	Place pots in a cold, shaded frame (1).
Preparation / Annual	
Practices for	
Perennial Crops	
Establishment Phase	No information available.
Details	
Length of	~3 months
Establishment Phase	

Active Growth Phase	No information available.
Length of Active	No information available.
Growth Phase	
Hardening Phase	No information available.
Length of Hardening	No information available.
Phase	
Harvesting, Storage	No information available.
and Shipping	
Length of Storage	No information available.
Guidelines for	(Same as seed propagation)
Outplanting /	
Performance on	No information on percent survival or time before flowering.
Typical Sites	
	Will reach ultimate height of 10 cm in 10-20 years. Ultimate spread is 0.1-
	0.5m (2).
Other Comments	N _z
Other Comments	None INFORMATION COLIDORS
7.0	INFORMATION SOURCES
References	1. "Cassiope." Alpine Garden Society,
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	10. "Cassiope Lycopodioides: Clubmoss Mountain Heather." Wildflower Search, https://wildflowersearch.org/search?&tsn=23536.
Protocol Author	Brielle Ann Canares
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or Updated	