## Plant Propagation Protocol for $Allium\ macrum$

ESRM 412 – Native Plant Production
URL: https://courses.washington.edu/esrm412/protocols/2024/ALMA5.pdf

	TAVONOMY	
Dl4 E '1	TAXONOMY	
Plant Family	T 111 F407	
Scientific Name	Liliaceae [10]	
Common Name	Lily Family [10]	
Species Scientific Name		
Scientific Name	Allium macrum	
	Genus: Allium [11]	
	Species: Macrum [11]	
Varieties	Information Not Found	
Sub-species	Information Not Found	
Cultivar	Information Not Found	
Common Synonym(s)	Allium equicaeleste [8]	
Common Name(s)	Rock Onion [9]	
Species Code (as per USDA Plants database)	ALMA5 [11]	
GENERAL INFORMATION		
Geographical range	United States: OR and WA. [8]	
	[11]	
Ecological distribution	This plant grows in dry and mountainous regions. [4]	
Climate and elevation range	They grow at an elevation of 630-780 meters. [1]	
Local habitat and abundance	They grow in vernally moist areas on open slopes with little to no shade. [1]	
Plant strategy type / successional	Information Not Found	
stage Plant characteristics	Forb/herb [11]	
	There are 1–3 bulbs, where the outer coats enclose 1 or more bulbs, membranous, lacking cellular reticulation or cells arranged in only 2–3 rows adjacent to roots, quadrate, without fibers. The leaves are persistent, withering from tip at anthesis, 2; blades solid, flat, or channeled, falcate, 12–38 cm × 2–3 mm. The flowers range from 5–7 mm; tepals spreading, lanceolate, equal, white or pinkish with prominent red midveins, margins entire, apex acute to acuminate; stamens equaling tepals or exserted; ovary crested with 3 obtuse	
	processes; stigma scarcely thickened, unlobed. [3]	

PROPAGATION DETAILS	
Ecotype	Information Not Found
Propagation Goal	Bulbs [5]
Propagation Method	Seed [3]
Product Type	Container [4]
Stock Type	Bulbs [5]
Time to Grow	Should be planted and grown in the spring and
	summer. [4]
Target Specifications	By the end of the nursery. The flowers should be 5–7
	mm and white or pinkish with prominent red midveins.
	[1] They will have about 1-3 bulbs. [5] They will grow
	up to 1 foot tall. [6]
	[7]
Propagule Collection Instructions	Information Not Found
Propagule Processing/Propagule	Information Not Found
Characteristics	
Pre-Planting Propagule Treatments	Information Not Found
Growing Area Preparation / Annual	Lithosol and barren, gravelly soils in the shrub-steppe.
Practices for Perennial Crops	
Establishment Phase Details	Information Not Found
Length of Establishment Phase	Information Not Found
Active Growth Phase	Information Not Found
Length of Active Growth Phase	12 weeks to 1 year.
Hardening Phase	Information Not Found
Length of Hardening Phase	Information Not Found
Harvesting, Storage and Shipping	Remove the head and stalks as soon as they turn
	brown. Then put it into a paper bag and prepare to
	collect the seeds when the pods open. Then sow the
	seed right after or they can be stored in a cool and dry
Longth of Ctorons	place until the following spring. [2]
Length of Storage	Information Not Found
Guidelines for Outplanting / Performance on Typical Sites	Information Not Found
Other Comments	N/A
References See Below	
Other Sources Consulted	N/A
Protocol Author	Natasha Bounma
Date Protocol Created or Updated	05/31/2024
Date Froncoi Created of Opdated	U3/31/2U2 <del>4</del>

## References

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- 3. *Allium macrum S. Watson*. Oregonflora. (n.d.). https://oregonflora.org/taxa/index.php?taxon=2618
- 4. *Allium*. Allium (Onion, Ornamental Onions) | North Carolina Extension Gardener Plant Toolbox. (n.d.). https://plants.ces.ncsu.edu/plants/allium/#:~:text=The%20easiest%20method%20of%20propagation,may%20take%20years%20to%20germinate.
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