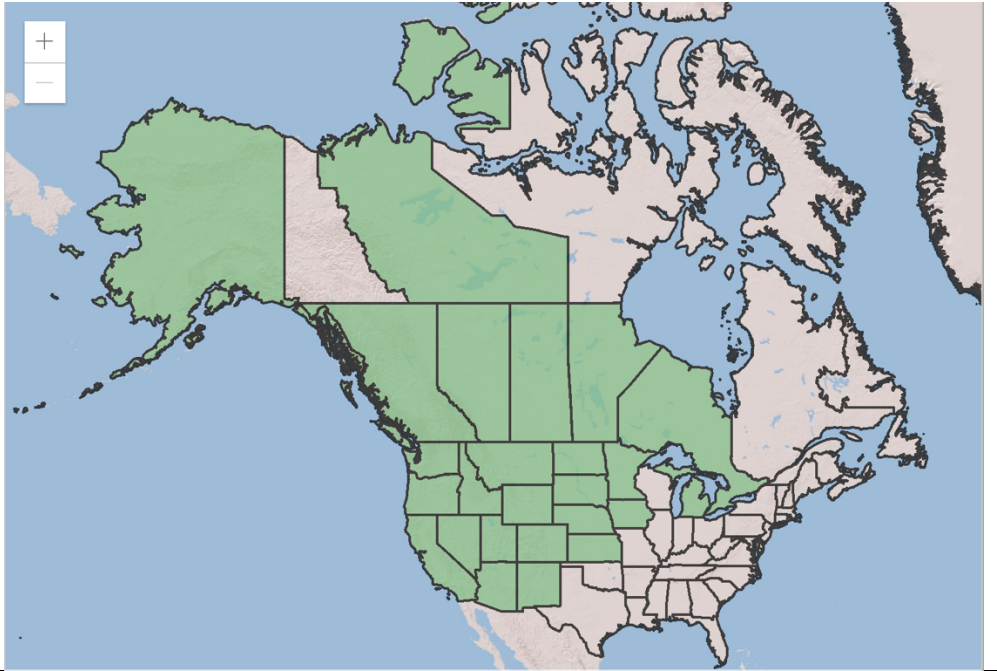



Plant Propagation Protocol for [*Agoseris glauca*]

ESRM 412 – Native Plant Production

URL: [https://courses.washington.edu/esrm412/protocols/\[year\]/\[USDA Species Code.pdf\]](https://courses.washington.edu/esrm412/protocols/[year]/[USDA Species Code.pdf])

TAXONOMY	
Plant Family	
Scientific Name	Asteraceae
Common Name	Aster Family
Species Scientific Name	
Scientific Name	<i>Agoseris glauca</i> (Pursh) Raf.
Varieties	N/A
Sub-species	N/A
Cultivar	
Common Synonym(s)	<i>A. villosa</i> . Rydb. <i>Troxicum glaucum</i>
Common Name	Pale agoseris, Mountain Dandelion, false agoseris, Prairie agoseris
Species Code (as per USDA Plants database)	AGGL
GENERAL INFORMATION	
Geographical range	<p>Western N. America - British Columbia to Manitoba, south to California and New Mexico.</p> 
Ecological distribution	Open areas in coniferous forests and in sagebrush in moderately dry to moist or even wet soils.
Climate and elevation range	All elevations.
Local habitat and abundance	N/A

Plant strategy type / successional stage	Weedy colonizer
Plant characteristics	Flowering shrub, perennial green leafed herb; can grow to 1-3 feet.
PROPAGATION DETAILS	
Ecotype	USFS, Boise National Forest, Lucky Peak Nursery, Boise, Idaho
Propagation Goal	seeds
Propagation Method	seeds
Product Type	Propagules
Stock Type	Propagules
Time to Grow	0
Target Specifications	N/A
Propagule Collection Instructions	Seed is first processed using a Westrup Model LA-P Laboratory Clipper/Dewarner, to break up flower heads.
Propagule Processing/Propagule Characteristics	Lot was then air-screened using an office Clipper, with no top screen, and a bottom screen: blank, medium speed, low to medium air, to scalp off non-seed material. Number of Seeds per Pound: 266,800, Purity: 90%, X-Ray 100 Seeds: 98% Filled
Pre-Planting Propagule Treatments	Seeds to be kept in Cold Storage, 33-38 Degrees Fahrenheit
Growing Area Preparation / Annual Practices for Perennial Crops	Prefers well-drained soil and can grow in nutritionally poor soil. Suitable pH: acid, neutral and basic (alkaline) soils. It cannot grow in the shade. It prefers dry or moist soil.
Establishment Phase Details	N/A
Length of Establishment Phase	4-5 weeks, with most germination occurring during the 2nd week.
Active Growth Phase	Plants are watered every 2 to 3 days. Greenhouse temperatures are maintained at 55ø F night, 70ø F day. In a previous planting when nighttime temperatures were increased from 50ø F to 65ø F
Length of Active Growth Phase	8+ weeks
Hardening Phase	N/A
Length of Hardening Phase	N/A
Harvesting, Storage and Shipping	N/A
Length of Storage	N/A
Guidelines for Outplanting / Performance on Typical	The plants do not like a lot of root disturbance so it is best to pot up the divisions and keep them in a cold frame or greenhouse until they are established.
Other Comments	Seed lots that are grown in nurseries may present unique challenges and may be processed differently than native collections.

		
INFORMATION SOURCES		
References	<ol style="list-style-type: none"> 1. Agoseris glauca (Mountain Dandelion) - Practical Plants. Practicalplants.org. https://practicalplants.org/wiki/Agoseris_glauca. Published 2021. Accessed May 27, 2021. 2. Native Plant Network — Reforestation, Nurseries and Genetics Resources. Npn.rngr.net. https://npn.rngr.net/npn/renderNPNProtocolDetails?selectedProtocolIds=asteraceae-agoseris-3322. Published 2021. Accessed May 27, 2021. 3. Agoseris glauca - Useful Temperate Plants. Temperate.theferns.info. http://temperate.theferns.info/plant/Agoseris+glauca. Published 2021. Accessed May 27, 2021. 4. United States Department of Agriculture Natural Resources Conservation Service. Plants.usda.gov. https://plants.usda.gov/home/plantProfile?symbol=AGGL. Published 2021. Accessed May 27, 2021. 5. Agoseris glauca Mountain Dandelion, Pale agoseris, False agoseris PFAF Plant Database. Pfaf.org. https://pfaf.org/user/Plant.aspx?LatinName=Agoseris+glauca. Published 2021. Accessed May 27, 2021. 6. Native Plant Network — Reforestation, Nurseries and Genetics Resources. Npn.rngr.net. https://npn.rngr.net/npn/renderNPNProtocolDetails?selectedProtocolIds=asteraceae-agoseris-3748. Published 2021. Accessed May 27, 2021. 	
Other Sources Consulted	<ol style="list-style-type: none"> 1. Agoseris glauca (Nutt. ex Pursh) Raf. Gbif.org. https://www.gbif.org/species/3092888. Published 2021. Accessed May 27, 2021. 	

	<p>2. <i>Agoseris glauca</i> (Pursh) Rafinesque, Herb. Raf. 39. 1833. Flora of North America. http://www.efloras.org/florataxon.aspx?flora_id=1&taxon_id=250066034. Published 2021. Accessed May 27, 2021.</p> <p>3. Pale Dandelion, <i>Agoseris glauca</i>. Calscape.org. https://calscape.org/Agoseris-glauca-(). Published 2021. Accessed May 27, 2021.</p> <p>4. Lady Bird Johnson Wildflower Center - The University of Texas at Austin. Wildflower.org. https://www.wildflower.org/plants/result.php?id_plant=aggl. Published 2021. Accessed May 27, 2021.</p>
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