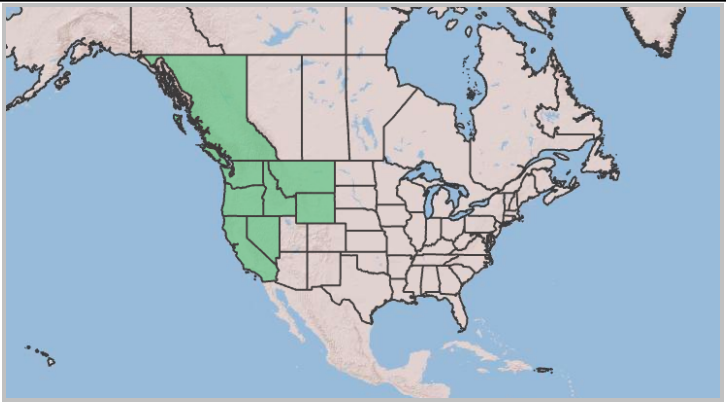


Plant Propagation Protocol for [*Agrostis oregonensis* Vasey]

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	Poaceae
Common Name	Grasses
Species Scientific Name	
Scientific Name	<i>Agrostis oregonensis</i> Vasey
Varieties	no literature found
Sub-species	no literature found
Cultivar	no literature found
Common Synonym(s)	no literature found
Common Name(s)	Oregon Bent Grass, Oregon Redtop
Species Code (as per USDA Plants database)	AGOR
GENERAL INFORMATION	
Geographical range	 <p>Is throughout western North America, From part of Canada to California and even Wyoming. [1]</p>

Ecological distribution	Occurs in wetlands, such as along streams and lakes. But it is also likely to occur in non-wetlands such as meadows and woods as long as there is moisture. Does well in middle elevations.
Climate and elevation range	
Local habitat and abundance	Occurs in wetlands in the Arid West, Western Mountains, Valleys, and Coast. [1] Elevation is 35 to 6430 feet and the wet season is 6 to 10 months. [2] Grows in a temperature range of 22 to 61 Fahrenheit.
Plant strategy type / successional stage	stress tolerator it is able to adapt
Plant characteristics	Perennial bunchgrass that grows 12 to 75 centimeters tall. The leaves are flat and 2 to 10 mm wide. [4]
PROPAGATION DETAILS (Report one type of propagation in section; duplicate section as needed for multiple types of propagation)	
Ecotype	<i>A. oregonensis</i> grows in loam. That needs to be consistently watered and stay moist. [6]
Propagation Goal	Plants
Propagation Method	seed does not use a cutting
Product Type	plug
Stock Type	
Time to Grow	2 to 7 months [2]
Target Specifications	the target size is 12 to 75 centimeters [3]
Propagule Collection Instructions	seed harvesting happens during September after dispersal [4] can be stored about 7 years.
Propagule Processing/Propagule Characteristics	seeds need to be dried for 5 days and then stratified [4]
Pre-Planting Propagule Treatments	moist stratification is needed to break the dormancy
Growing Area Preparation / Annual Practices for Perennial Crops	plant seeds are below a moist surface 2-4 inches. [9]
Establishment Phase Details	the soil needs to be kept moist and around 60 Fahrenheit [9]
Length of Establishment Phase	the establishment phase is 4-5 months. [9]
Active Growth Phase	the active growth phase is important to keep the possible weeds and pests away. [10]
Length of Active Growth Phase	6 months
Hardening Phase	The temperature of the hardiness zones is 0 to 35 Fahrenheit. [2] the temperature needs to be slowly lowered to match the wild.
Length of Hardening Phase	The length of hardening phase depends on the average winter but 1 to 3 months. [2]
Harvesting, Storage and Shipping	harvest in late September. needs to have a cold shock
Length of Storage	no literature found
Guidelines for Outplanting / Performance on Typical Sites	plants need to have established roots.

Other Comments	
INFORMATION SOURCES	
References (full citations)	see below
Other Sources Consulted (but that contained no pertinent information) (full citations)	see below
Protocol Author (First and last name)	Elliott Peck
Date Protocol Created or Updated (MM/DD/YY)	05/24/2023

references

- 1 <https://plants.usda.gov/home/plantProfile?symbol=AGOR>
- 2 <https://link.springer.com/article/10.1007/s10722-015-0307-6>
- 3 <https://calag.ucanr.edu/archive/?type=pdf&article=ca.v008n02p5>
- 4 file:///Users/elliottpeck/Downloads/AquaticPlantsofthePacificNorthwest_revised_.pdf
- 5 <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=bbbbd637053f4ef26acffdf254b58ead681b7da9>
- 6 <https://naldc.nal.usda.gov/download/IND43893540/pdf>
- 7 <https://www.calflora.org/app/taxon?crn=152>
- 8 [https://calscape.org/Agrostis-oregonensis-\(\)](https://calscape.org/Agrostis-oregonensis-())
- 9 https://explorer.natureserve.org/Taxon/ELEMENT_GLOBAL.2.139478/Agrostis_oregonensis
- 10 https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=40399#null