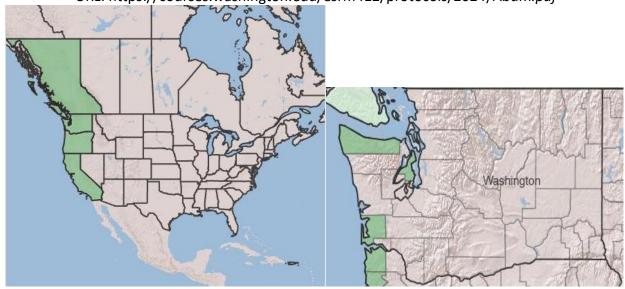
Plant Propagation Protocol for Abronia umbellata

ESRM 412 – Native Plant Production Spring 2024

URL: https://courses.washington.edu/esrm412/protocols/2024/Abum.pdf



	TAXONOMY
Plant Family	
Scientific Name	Nyctaginaceae
Common Name	Four o'clock family
Species Scientific Name	
Scientific Name	Abronia umbellate Lam.
Varieties	Yellow sand verbena, red sand verbena
Sub-species	umbellata
Cultivar	
Common Synonym(s)	Abronia umbellata ssp. acutalata
Common Name(s)	Sand-verbenas, wild lantanas, beach sand verbena, purple sand verbena
Species Code (as per USDA Plants database)	ABUM
GENI	ERAL INFORMATION
Geographical range	Western Washington, British Columbia (Canada), Western Oregon, Western California
Ecological distribution	Open, sandy beaches, coastal areas
Climate and elevation range	Around sea level (~0-150m), maritime climate
Local habitat and abundance	Beaches and sand dunes, in small groups
Plant strategy type / successional stage	Stress-tolerator/stress-deciduous

Plant characteristics	Annual, up to 1 m in length, opposite leaves, short branches
PROPAGAT	ION DETAILS: FROM SEED
Ecotype	San Fransisco, California
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container (plug)
Stock Type	Deepot 16
Time to Grow	0 days
Target Specifications	N/A
Propagule Collection Instructions	Seeds are collected from June 15 th – October 1st
Propagule Processing/Propagule	They extract the seeds from the fruit by opening the
Characteristics	fruit with scissors or other tools, or by using a sieve to sift out other debris
Pre-Planting Propagule Treatments	Seeds get soaked in water for around 48 hours, blended for 10 minutes, put in a bleach solution for 2 minutes then rinsed. They are then put in a bag in the fridge with peat/perlite for 2 weeks until they begin germinating.
Growing Area Preparation / Annual Practices for Perennial Crops	Transplant the germinant, 6 grams of seed per flat, using an aggregate mix. They are watered with an automatic system and lightly covered, being sown the 1st of August
Establishment Phase Details	Transplanted around 6 days after germination to individual containers using potting mix. Easy to germinate, but susceptible to fungus.
Length of Establishment Phase	~3 days
Active Growth Phase	Heavy feeder species, pruned vigorously but leave at least 2 leaves.
Length of Active Growth Phase	
Hardening Phase	
Length of Hardening Phase	
Harvesting, Storage and Shipping	
Length of Storage	
Guidelines for Outplanting /	
Performance on Typical Sites	
Other Comments	Germination and growth occur
INFO	RMATION SOURCES
References	(See helew)
nere: enees	(See below)
Other Sources Consulted	(See below)

Date Protocol Created or Updated	05/03/24
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