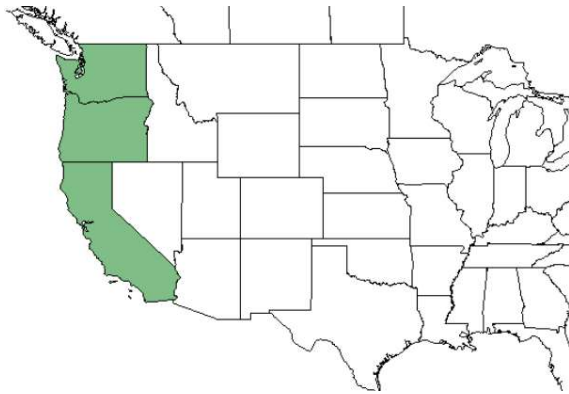


Plant Propagation Protocol for *Whipplea modesta* Torr.
 ESRM 412 – Native Plant Production
 Protocol URL: <https://courses.washington.edu/esrm412/protocols/WHMO>

North America Distribution



Washington Distribution



SOURCE: USDA PLANTS Database



Image of Modesty¹



Illustration of Modesty³

TAXONOMY	
Plant Family	
Scientific Name	Hydrangeaceae
Common Name	Creosote-bush Family
Species Scientific Name	
Scientific Name	<i>Whipplea modesta</i> Torr.
Varieties	
Sub-species	
Cultivar	
Common Synonym(s)	

Common Name(s)	Common Whipplea, Whipplevine, Yerba de selva ² , Modesty, Whipplea
Species Code (as per USDA Plants database)	WHMO
GENERAL INFORMATION	
Geographical range	Washington to central California ³ For WA, it is specifically found in Clallam County (reference map above)
Ecological distribution	Coastal scrub, chaparral, forest, open areas or on streambanks ⁴ For the Olympic Peninsula, this is found only in south-facing balds in mature forest communities ³
Climate and elevation range	On banks below 5000ft ⁵ Shaded slopes below 4500ft ⁶ Elevation can range from 147-5000ft ⁴ Sunset Zones: 4, 5, 6, 15, 16, 17 – also can survive in 7 and 14 ⁸
Local habitat and abundance	Typically groundcover in shady area. Mixes well with plants that tolerate more water intake. ⁷ Associated species: <i>Ribes lobbii</i> , <i>Salix scouleriana</i> , <i>Amelanchiet alnifolia</i> , <i>Arctostaphyllos uva-ursi</i> ³ Listed in Clallam County rare plants listing, with state status R1 – indicating that it is of potential concern but requires more field work to determine another ranking ¹⁰
Plant strategy type / successional stage	Drought tolerant ⁷ Shade tolerant Perennial Temperature hardiness 10-35F ¹¹
Plant characteristics	Shrub/vine style plant that spreads, typically growing 4-7.9 in tall and 2ft wide. Dormancy in winter and flowering season in spring. Perennial. ⁸ Sub-shrub with woody stems that trail, with flowering branches. Branches are a gray-brown with leaves in pairs. (Reference Illustration above). Leaves are grown in pairs, are elliptic, and have short, stiff hairs with a bulbous base. White flowers gather in tight clusters at the tips of the shoots. ³
PROPAGATION DETAILS	
Ecotype	Coastal California
Propagation Goal	Plants

Propagation Method	Vegetative
Product Type	Propagules
Stock Type	
Time to Grow	4 to 9 months
Target Specifications	4-8 inches tall, 2ft wide
Propagule Collection Instructions	Root growth from layering, root growth from nodes
Propagule Processing/Propagule Characteristics	N/A
Pre-Planting Propagule Treatments	N/A
Growing Area Preparation / Annual Practices for Perennial Crops	Rocky soil, in their native environment
Establishment Phase Details	N/A
Length of Establishment Phase	<i>Whipplea modesta</i> naturally grows via layering, as roots grow freely at the nodes
Active Growth Phase	Reach up to 4-8inches tall in the first year, and approximately 2ft wide per plant. Flowers during the months of March, April and May.
Length of Active Growth Phase	No information found
Hardening Phase	No information found
Length of Hardening Phase	1 season
Harvesting, Storage and Shipping	Simulate moist conditions with a well draining and rocky soil.
Length of Storage	N/A
Guidelines for Outplanting / Performance on Typical Sites	N/A
Other Comments	Can suffer from Sudden Oak Death
PROPAGATION DETAILS	
Ecotype	Coastal California
Propagation Goal	Plants
Propagation Method	Seed
Product Type	Container
Stock Type	
Time to Grow	4 to 9 months
Target Specifications	4-8 inches tall, 2ft wide
Propagule Collection Instructions	Seed collection in late summer
Propagule Processing/Propagule Characteristics	Short shelf life
Pre-Planting Propagule Treatments	Air dry seeds for late summer planting. No actions required to break dormancy
Growing Area Preparation / Annual Practices for Perennial Crops	Sow seeds in flats with 1/8" soil Rocky soil, with pH 5-7

	Part shade
Establishment Phase Details	No information found
Length of Establishment Phase	2 to 7 months
Active Growth Phase	
Length of Active Growth Phase	Will persist indefinitely and self-sustain
Hardening Phase	
Length of Hardening Phase	
Harvesting, Storage and Shipping	
Length of Storage	
Guidelines for Outplanting / Performance on Typical Sites	Summer irrigation after establishment is 1x/month. Part shade is preferred but can also survive in full sun. Soil preference is fast, as they naturally grow in more rocky environments. Deer resistant.
Other Comments	Can suffer from Sudden Oak Death. Research into plant illness is recommended prior to outplanting.
INFORMATION SOURCES	
References	See Below
Other Sources Consulted	
Protocol Author	Erika Allen
Date Protocol Created or Updated	05/05/2020

References:

- ¹ Modesty (*Whipplea modesta*). (n.d.). Retrieved May 6, 2020, from [http://plantid.net/Gallery.aspx?Taxon=Whipplea modesta](http://plantid.net/Gallery.aspx?Taxon=Whipplea%20modesta)
- ² *Whipplea modesta* Torr. (n.d.). Retrieved May 6, 2020, from https://www.calflora.org/cgi-bin/species_query.cgi?where-calrecnum=8339
- ³ *Whipplea modesta* Torr. . (2005). Retrieved May 6, 2020, from https://www.dnr.wa.gov/publications/amp_nh_whimod.pdf
- ⁴ Robert E. Preston & Charles F. Quibell 2012, *Whipplea modesta*, in Jepson Flora Project (eds.) *Jepson eFlora*, /eflora/eflora_display.php?tid=48534 Retrieved May 6, 2020
- ⁵ *Whipplea modesta*: whipplevine: Wildflowers of the Pacific Northwest. (n.d.). Retrieved May 6, 2020, from <http://www.pnwflowers.com/flower/Whipplea-modesta>
- ⁶ Plant Database. (n.d.). Retrieved May 6, 2020, from https://www.wildflower.org/plants/result.php?id_plant=WHMO
- ⁷ *Whipplea modesta*. (n.d.). Retrieved May 6, 2020, from http://theodorepayne.org/nativeplantdatabase/index.php?title=Whipplea_modesta⁸
- ⁹ Broad-leaved Starflower. (n.d.). Retrieved May 6, 2020, from [https://depts.washington.edu/propplnt/Plants/Trientalis latifolia.htm](https://depts.washington.edu/propplnt/Plants/Trientalis_latifolia.htm)
- ¹⁰ Natural Resources Conservation Service. (n.d.). Retrieved from <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/plantmaterials/newsroom/feature/?cid=stelprdb1193551>
- ¹¹ Plant Characteristics and Associations. (n.d.). Retrieved May 6, 2020, from <https://www.calflora.org/entry/plantchar.html?crn=8339>