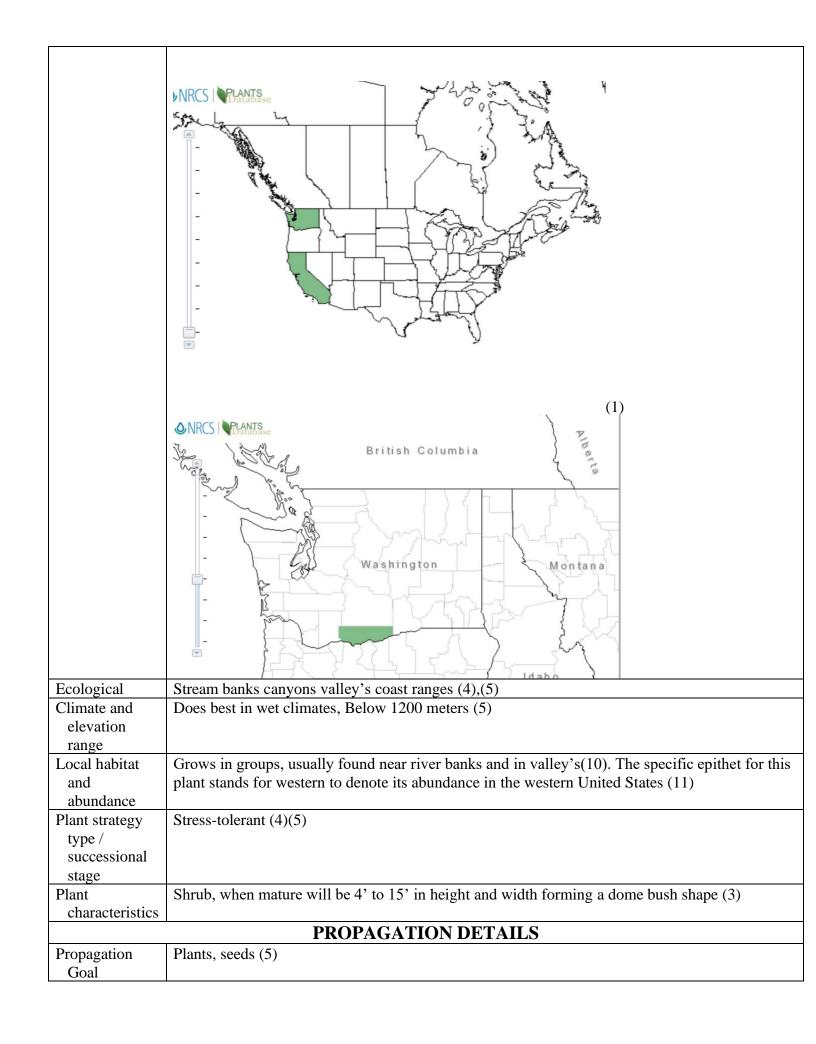
Plant Propagation Protocol for Calycanthus occidentalis ESRM 412 – Native Plant Production

Protocol URL: https://courses.washington.edu/esrm412/protocols/CAOC5.pdf



	TAXONOMY		
Plant Family			
Scientific Name	Calycanthaceae (1)		
Common Name	Strawberry-shrub Family		
Species			
Scientific			
Name			
Scientific Name	Calycanthus occidentalis Hook. & Arn.		
Varieties	No Varieties recognized by USDA Plants Database		
Sub-Species	No Sub-Species recognized my USDA Plants Database		
Cultivar	Hook. & Arn		
Common	Calycanthus macrophyllus K.Koch		
Synonym(s)	Butneria occidentalis (Hook. & Arn.)		
Common Name(s)	California Allspice, Spicebush, Sweet-shrub, Western Sweetshrub (4)(5)		
Species Code	CAOC5		
(as per USDA			
Plants			
database)			
	GENERAL INFORMATION		
Geographical range	South-western N. America - California.		



Propagation	Seed
Method	
Product Type	Container (5)
Stock Type	
Time to Grow	6-12 months (4)
Target	Allow them to grow inside a greenhouse for the first winter. (7)
Specifications	
Propagule Collection	Can collect seeds in fall or early winter(8)
Pre-Planting	3 month cold stratification (8)
Propagule	
Treatments	
Growing Area Preparation / Annual Practices for Perennial	Loamy soil that retains water, has good drainage and is rich in nutrients. (6)
Crops Active Growth	Transforming from good flat to growing ours and working up to callenging containers until leastly
Phase	Transferring from seed flat to growing cups and working up to gallon size containers until lastly distributed in five gallon buckets. (8)
Length of	6 months (8)
Active	
Growth Phase	
Length of	6-months (one winter) (3)
Storage	o months (one winter) (3)
Storage	PROPAGATION DETAILS
Propagation	Seeds, cuttings and plants (8)
Goal	Seeds, cuttings and plants (6)
Propagation Method	Vegetative
Product Type	Bareroot (8)
Stock Type	
Time to Grow	6-12 months(8)
Target Specifications	Before flowering and able to be in at least a one gallon pot(8)
Growing Area	Loamy soil that retains water, has good drainage and is rich in nutrients. (2)
Preparation /	
Annual	
Practices for	
Perennial	
Crops	
Hardening	6-12 months in greenhouse for preparation of following years winter (7)
Phase	
Harvesting,	Harvest new cuttings when they are around 3 inches long for second crop. (8)
Storage and	
Shipping	
Guidelines for	Outplant when plant can sustain in a gallon sized pot (8)
Outplanting /	
Performance	
on Typical	
Sites	

Other	Vegetative propagation is not advised as seeds seem to be more viable. If a strong aromatic plant
Comments	is desired, clone from a plant that is known to be aromatic. Propagating from seeds doesn't
	always yield an aromatic plant. Otherwise propagate from seeds (5). If propagating for the use of
	harvesting seeds, Calycanthus, occidentalis, is fertilized by beetle.(8)
	INFORMATION SOURCES
References	 "United States Department of Agriculture." Plants Profile for Calycanthus Occidentalis (Western Sweetshrub), (Accessed April 26th 2020) plants.usda.gov/core/profile?symbol=CAOC5 "Plant Database." Lady Bird Johnson Wildflower Center - The University of Texas at Austin, 8 Jan. 2011, (Accessed April 29th 2020) www.wildflower.org/plants/result.php?id_plant=caoc5. "Spice Bush, Calycanthus Occidentalis." California Native Plant Society, calscape.org/Calycanthus-occidentalis." California Native Plant Society, calscape.org/Calycanthus-occidentalis." California Native Plant Society, calscape.org/Calycanthus-occidentalis." California Native Plant Society, calscape.org/Calycanthus-occidentalis. (Accessed on April 26th 2020) "Book 13." Britannica 2007, Britannica, 2007, pp. 643–644. (accessed on April 12th 2020) "Calycanthus Occidentalis - Hook.&Arn." Calycanthus Occidentalis Californian Allspice, Western Sweetshrub PFAF Plant Database, (Accessed on April 20th 2020) pfaf.org/user/Plant.aspx?LatinName=Calycanthus+occidentalis. CornFlower Farms (Personal communications with Megan Hall) May 5th 2020 "July 2019 Plant Profile: Calycanthus Occidentalis." University of Washington Botanic Gardens, 26 June 2019, botanicgardens.uw.edu/about/blog/2019/07/05/july-2019-plant-profile-calycanthus-occidentalis. (Accessed on May 5th 2020) George P. Johnson & Fosiée Tahbaz 2012, Calycanthus occidentalis, in Jepson Flora Project (eds.) https://ucjeps.berkeley.edu/eflora/eflora_display.php?tid=16812, accessed on May 05, 2020. Calycanthus Occidentalis - Plant Finder, (Accessed on April 30th 2020) www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?taxonid=278792.
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