

**Plant Propagation Protocol for *Adiantum jordanii***  
 ESRM 412 – Native Plant Production

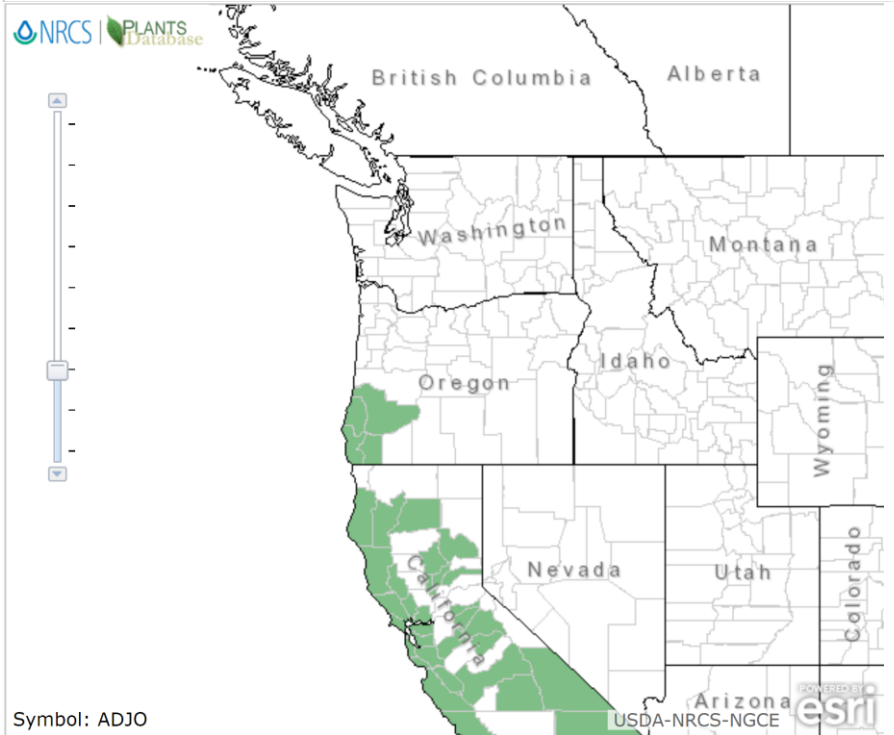
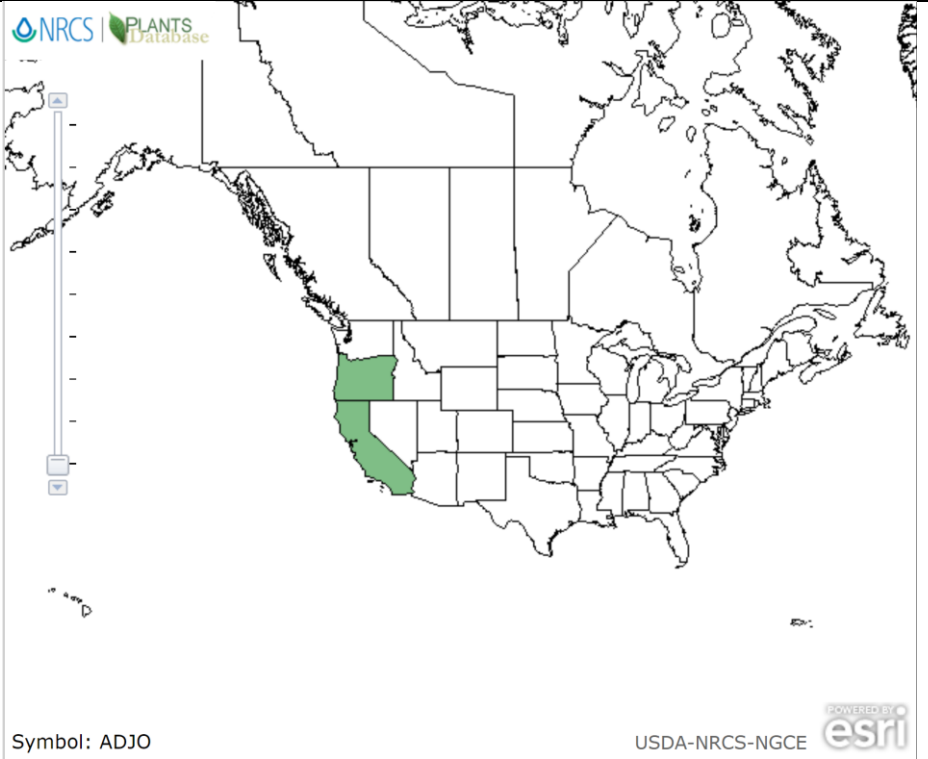


Photo courtesy of Calflora <sup>4</sup>

<b>TAXONOMY</b>	
<b>Plant Family</b>	
Scientific Name	Pteridaceae
Common Name	Maidenhair Fern
<b>Species Scientific Name</b>	
Scientific Name	<i>Adiantum jordanii</i>
Varieties	<i>Adiantum jordanii</i>
Sub-species	N/A
Cultivar	N/A
Common Synonym(s)	N/A
Common Name(s)	California maidenhair
Species Code (as per USDA Plants database)	ADJO

## GENERAL INFORMATION

Geographical range



Maps courtesy of USDA NRCS plants database <sup>^6</sup>

Ecological distribution

Native to the west coast of the United States, from southern California to Oregon. <sup>^9</sup>

Climate and elevation range

Found at elevations <1600m <sup>^8</sup>

	Annual Precipitation: 6.3" - 72.8", Summer Precipitation: 0.14" - 2.33", Coldest Month: 35.3" - 57.2", Hottest Month: 58.8" - 80.8", Humidity: 0.05" - 31.82", ^9
Local habitat and abundance	Shade tolerant, often found in damp, shaded areas like streamsides, springs, north facing hillslopes. ^9 Seasonally moist, shaded, rocky banks, canyons, and ravines ^5
Plant strategy type / successional stage	Shade tolerant, understory ground cover species
Plant characteristics	Perennial evergreen fern (can be cold deciduous), half circle leaves, lobed ^10  2-3 pinnate, rhizomes short to long-creeping, mature fronds die or go dormant in summer. ^7
<b>PROPAGATION DETAILS</b>	
	No existing propagation protocols found, following are suggested practices
Ecotype	N/A
Propagation Goal	Plants, Cuttings
Propagation Method	Vegetative ^10
Product Type	Container plug (Sister species) ^3
Stock Type	N/A
Time to Grow	4-12 months ^4
Target Specifications	1.6 ft tall, 2-3 ft wide ^9
Propagule Collection Instructions	Cuttings must be taken from existing plants in the Spring, before Summer dormancy. No further information found.
Propagule Processing/Propagule Characteristics	N/A or not found
Pre-Planting Propagule Treatments	N/A or not found
Growing Area Preparation / Annual Practices for Perennial Crops	Small to mid-sized containers
Establishment Phase Details	N/A
Length of Establishment Phase	N/A
Active Growth Phase	No cultural practices found
Length of Active Growth Phase	4-12 months ^4
Hardening Phase	Hardy down to USDA Zone 8a (10F) ^2
Length of Hardening Phase	N/A or not found
Harvesting, Storage and Shipping	N/A or not found
Length of Storage	N/a or not found

Guidelines for Outplanting / Performance on Typical Sites	<i>Adiantum jordanii</i> does well in shaded areas, in various soil textures, with a pH between 5 and 8.2 <sup>4,1</sup>
Other Comments	
<b>INFORMATION SOURCES</b>	
References	<ol style="list-style-type: none"> <li>1. Wilson, Bert. "Adiantum Jordanii, California Maiden-Hair Fern." Las Pilitas Nursery, 2012, <a href="http://www.laspilitas.com/nature-of-california/plants/19--adiantum-jordanii">www.laspilitas.com/nature-of-california/plants/19--adiantum-jordanii</a>.</li> <li>2. "California Maidenhair Fern." Dave's Garden, MH Sub I, LLC Dba Internet Brands, 2020, <a href="http://www.davesgarden.com/guides/pf/go/31577/">www.davesgarden.com/guides/pf/go/31577/</a>.</li> <li>3. "Adiantum Aleuticum." Hardy Fern Foundation, The Hardy Fern Foundation , 8 June 2019, <a href="http://hardyferns.org/ferns/adiantum-aleuticum/">hardyferns.org/ferns/adiantum-aleuticum/</a>.</li> <li>4. "Plant Characteristics and Associations: Adiantum jordanii." Calflora, <a href="http://www.calflora.org/entry/plantchar.html?crn=102">www.calflora.org/entry/plantchar.html?crn=102</a>.</li> <li>5. "Adiantum Jordanii." Flora of North America, <a href="http://www.efloras.org/florataxon.aspx?flora_id=1&amp;taxon_id=233500027">www.efloras.org/florataxon.aspx?flora_id=1&amp;taxon_id=233500027</a>.</li> <li>6. "Adiantum Jordanii." NRCS Plants Database, <a href="http://plants.usda.gov/core/profile?symbol=ADJO">plants.usda.gov/core/profile?symbol=ADJO</a>.</li> <li>7. Huiet, Layne, et al. "Adiantumshastense, a New Species of Maidenhair Fern from California." PhytoKeys, Pensoft Publishers, 21 July 2015, <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4547024/">www.ncbi.nlm.nih.gov/pmc/articles/PMC4547024/</a>.</li> <li>8. "Adiantum Jordanii." The Jepson Herbarium , Regents of the University of California, 2020, <a href="http://ucjeps.berkeley.edu/eflora/eflora_display.php?tid=11955">ucjeps.berkeley.edu/eflora/eflora_display.php?tid=11955</a>.</li> <li>9. "California Maiden Hair Fern, Adiantum Jordanii." California Native Plant Society, California Native Plant Society, <a href="http://www.calscape.org/Adiantum-jordanii-()">www.calscape.org/Adiantum-jordanii-()</a>.</li> <li>10. "Adiantum Jordanii - How to Grow &amp; Care." Grow Plants, 23 Sept. 2019, <a href="http://www.growplants.org/growing/adiantum-jordanii">www.growplants.org/growing/adiantum-jordanii</a>.</li> </ol>
Other Sources Consulted	
Protocol Author	James Joseph Spallino
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