

## Plant Data Sheet



Species (common name, Latin name)  
Mock-orange, *Philadelphus lewisii*

Range  
From B.C. and Cascade Mountains of Oregon and Washington to northern California, eastward to Montana (Rose)

Climate, elevation  
Low to middle elevation; sea level to 2100m (Pojar) (Rose)

Local occurrence (where, how common)  
Southern Puget Sound region (Pojar)

Habitat preferences  
Wide range of habitats; open forest with moist fertile soils to brushy areas on dry, rocky soils; often riparian habitats (Pojar) (Rose)

Plant strategy type/successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)  
Early to mid-seral species (Timmenstein)

Associated species  
*Corylus cornuta*, *Holodiscus discolor*, *Toxicodendron diversilobum*, *Rosa gymnocarpa*, and *Mahonia aquifolium* (Timmenstein)

May be collected as: (seed, layered, divisions, etc.)  
Seed and vegetative (Rose)

**Collection restrictions or guidelines**

Fruit matures in late summer. Take softwood cuttings in June and July. Collect hardwood cuttings in fall or spring (Rose)

**Seed germination (needs dormancy breaking?)**

Crush dried capsules and pass them through an aspirator to get seeds. Stratify at 5°C for eight weeks followed by 22-26°C. Put softwood cuttings in 1000ppm IBA. Put hardwood cuttings in 2500-8000ppm IBA (Rose)

**Recommended seed storage conditions**

Seed not planted in the fall can be sown without any pre-treatment, or cold-stratified for eight weeks at 41°F (Leigh)

**Propagation recommendations (plant seeds, vegetative parts, cuttings, etc.)**

Seeds are numerous and can be sown directly on-site. Can be grown from root suckers transplanted from salvage sites. (Leigh)

**Soil or medium requirements (inoculum necessary?)**

Put in peat:perlite (1:1) medium and mist-softwood; place 15cm deep into sandy soil –hardwood (Rose)

**Installation form (form, potential for successful outcomes, cost)**

Plants sold in nurseries may not be from local region. 6-36" seedlings, 12-36" transplants (Leigh) (4<sup>th</sup> Corner Nursery)

**Recommended planting density**

Minimum: 692 per acre; Maximum: 1200 per acre (Vegspec)

**Care requirements after installed (water weekly, water once etc.)**

Fall plantings should be mulched (Rose)

**Normal rate of growth or spread; lifespan**

Moderate; height when mature: 12ft. Lifespan: moderate (Vegspec)

**Sources cited**

Corner Nurseries. [www.4th-corner-nurseries.com](http://www.4th-corner-nurseries.com); May 6, 2003.

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Pojar, Jim and Andy MacKinnon. Plants of the Pacific Northwest Coast-Washington, Oregon, British Columbia and Alaska. B.C. Ministry of Forest and Lone Pine Publishing. 1994.

Rose, Robin, Caryn Chachulski, and Diane Haase. Propagation of Pacific Northwest Native Plants. Oregon State University Press, Corvallis, OR. 1998.

Tirmenstein, D. 1991. *Philadelphus lewisii*. In: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (2003, May). Fire Effects Information System, [Online]. Available: <http://www.fs.fed.us/database/feis/>. May 6, 2003.

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**Data compiled by (student name and date)**

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