

## Plant Data Sheet

Picture: <http://www.botanik.uni-bonn.de/conifers/pi/ts/mertensiana.htm>



### Species

Mountain Hemlock, *Tsuga mertensiana*

### Range

From Sequoia National Park in California to Look Inlet in Alaska

### Climate, elevation

Sub Alpine. Temp Range -20-38C

### Local occurrence

Along the Crest of the Cascades.

### Habitat preferences

Loose coarse textured, well-drained acidic soils.

### Plant strategy type/successional stage.

Tolerates sites with long lasting snow pack. Not drought/shade tolerant.

Minor climax species.

### Associated species

*Abies amabilis*, *Chaecyparis nootkatensis*, *Vaccinium membranaceum*,  
*Abies Lasiocarpa*, *Picea engelmannii*, *Pinus contorta*

### May be collected as:

Seed

### Collection restrictions or guidelines

Seeds shed in Late November and December.

### Seed germination

Cold stratification of mature seeds shortens incubation time and may substantially increase germination.

### Seed life

Seed viability ranges from 36-76% over a 2 yr period.

### Recommended seed storage conditions

In a cooler (cold stratification).

### Propagation recommendations

Easily propagated by seeds and cuttings

### Soil or medium requirements

Snow, mineral soil

### Installation form

Seeds

### Recommended planting density

2-3 m apart

### Care requirements after installed

Water weekly, then no water after 2 months.

### Normal rate of growth or spread; lifespan

Very slow growing. 7-28m tall at 100 yrs. Life span 800+ yrs.

### Sources cited

<http://www.fs.fed.us/database/feis/plants/tree/tsumer/>

<http://nativeplantenetwork.org>

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Silvics of NA, VI Conifers. Burns, Russel M. & Honkala, Barbara H. Technical Coordinators. FS. USDA.WADC. Dec 1990.

### Data compiled by

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