

**Pacific Silver Fir Submaritime 1 - 1000m**  
 Conservation -- Seed Orchards -- Seedling Use

**SPU #9**

**GENETIC CONSERVATION STATUS**

**Conservation statistics**

|   |                  |           |
|---|------------------|-----------|
| Seed planning unit (SPU) area   | <b>8,007,575</b> | <b>ha</b> |
| Area protected within SPU   | <b>762,995</b>   | <b>ha</b> |
| Percentage of SPU area protected  | <b>10%</b>       |           |
| Estimated genetic reserves with >5000 mature trees based on botanical sample data | <b>&gt;9</b>     |           |
| Confirmed genetic reserves with >5000 mature trees based on forest inventory data | <b>28</b>        |           |

**Conservation status**

Current in-situ protection status: **Very well protected**  
 Probability of maintaining > 3 protected areas with adequate population size given natural disturbance regimes: **Very high**

For further information visit <http://www.genetics.forestry.ubc.ca/cfgc/>

**GENECOLOGY**

**Seed orchards:**

The seed orchard program for this species and zone is no longer active due to low priority, lack of a breeding program, and low success with orchard seed production in an orchard established near Saanich.

**Provenance testing:**

Two short-term tests were established for Ba in 2001.  
 Three long-term Ba tests were established in 2001  
 Ba seed sources under test cover the range from Alaska to Oregon.  
 Test results will be used for identifying B+ stands, and for refining seed transfer guidelines.

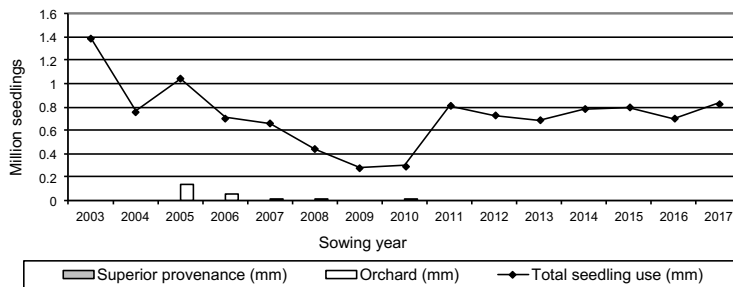
**Ba SM zone**

Provenance testing includes the submarine zone.

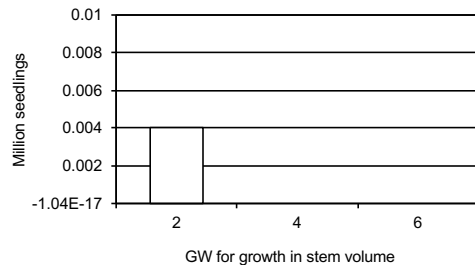
**SEEDLING USE AND SEED IN STORAGE**

Average 5-year seedling use from SPAR (2013 - 2017) **0.8 million** (M zone only)  
 Estimated years of class-A seed in storage **0.0 years**

**Seedling Use Trend - 2003 to 2017**



**Seed in Storage by GW class**



Notes:  
 - Seedling use data include 1/2 of adjacent overlap zones, where applicable  
 - Sowing year: Aug 1 to July 31 (i.e. 2017 sowing year starts Aug 1, 2017)

Notes:  
 - "Reserve" and "Available" seed in the Seed Planning and Registry System (SPAR) are included.  
 - Class A = seed orchard; Class B+ = superior provenance; Class B = wild stand seed.  
 - Genetic Wroth (GW) for growth means the projected additional wood volume available at rotation compared to using Class B seed.

The above forecasts are based on orchard status, seed inventories and seed use as of June, the year of publication, and are subject to change. Refer to the seed Planning and Registry System (SPAR) or contact the orchard manager for current seed inventories. Contact the Forest Improvement and Research Mgt. Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development, to confirm data if used for silviculture or timber-supply planning.