

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.

GENETIC CONSERVATION STATUS

Conservation statistics

Seed planning unit (SPU) area	3,660,670
Area protected within SPU	172,826
Percentage of SPU area protected	4.7%
Estimated genetic reserves with >5000 mature trees based on botanical sample data	70
Confirmed genetic reserves with >5000 mature trees based on forest inventory data	not determined

Conservation status

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

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

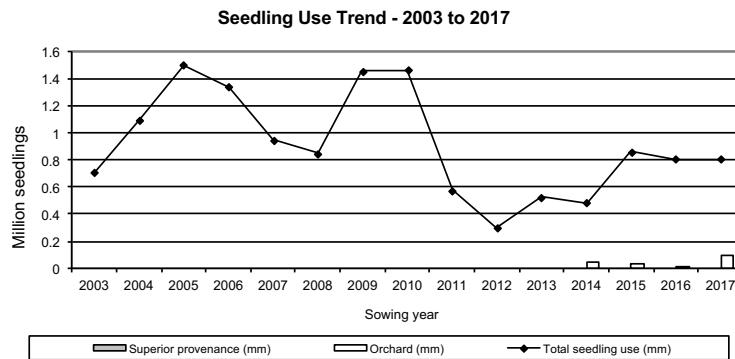
ORCHARD STATUS

Seed and Nursery Factors

Seed and Nursery Factors	Estimate of Required Orchard Capacity
Expected annual average seedling production per ramet = 2,250	Annual planting (million seedlings)
Seed weight (seeds/gram) = 18	Planned over-production factor
Seedling recovery factor (seedlings/seed) = 0.56	Ramets required
Seedling recovery factor (seeds/seedling) = 1.80	Ramets required with over-capacity
	Projected necessary expansion

SEEDLING USE AND SEED IN STORAGE

Average 5-year seedling use from SPAR (2013 - 2017)	0.7	million
Estimated years of class-A seed in storage	0.1	years



- 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, 2016)

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 Wrth (GW) for growth means the projected additional wood volume available at rotation compared to using Class B seed.

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