

GENETIC CONSERVATION STATUS

Conservation statistics

	Seed planning unit (SPU) area	1,125,740	ha
	Area protected within SPU	76,784	ha
	Percentage of SPU area protected	7%	
Estimated genetic reserves with >5000 mature trees based on botanical sample data		0	
Confirmed genetic reserves with >5000 mature trees based on forest inventory data		6	

Conservation status

Current in-situ protection status: **Acceptable**

Probability of maintaining > 3 protected areas with adequate population size given natural disturbance regimes: **Uncertain**

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

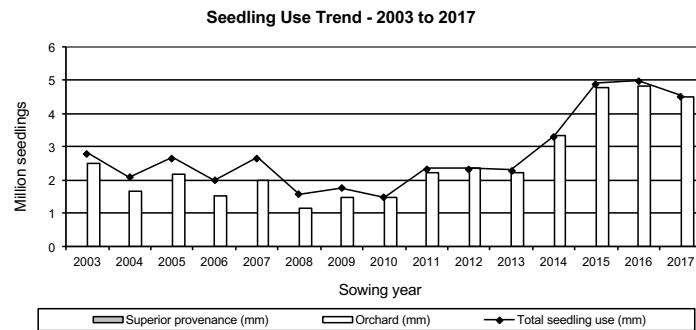
ORCHARD STATUS

Seed and Nursery Factors

Factors		Estimate of Required Onward Capacity	
Expected annual average seedling production per ramet	= 5,400	Annual planting (million seedlings)	4.0
Seed weight (seeds/gram)	= 247	Planned over-production factor	1.3
Seedling recovery factor (seedlings/seed)	= 0.45	Ramets required	742
Seedling recovery factor (seeds/seedling)	= 2.20	Ramets required with over-capacity	965
		Projected necessary expansion	0

SEEDLING USE AND SEED IN STORAGE

5-year average seedling requests to SPAR (2013 - 2017)	4.0	million
Estimated years of class-A seed in storage	12.4	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, 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 Mkt. Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development, to confirm data if used for silviculture or timber-supply planning.