

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	2,981,748	ha
Area protected within SPU	381,511	ha
Percentage of SPU area protected	13%	
Estimated genetic reserves with >5000 mature trees based on botanical sample data	>9	
Confirmed genetic reserves with >5000 mature trees based on forest inventory data	33	

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/>

ORCHARD STATUS

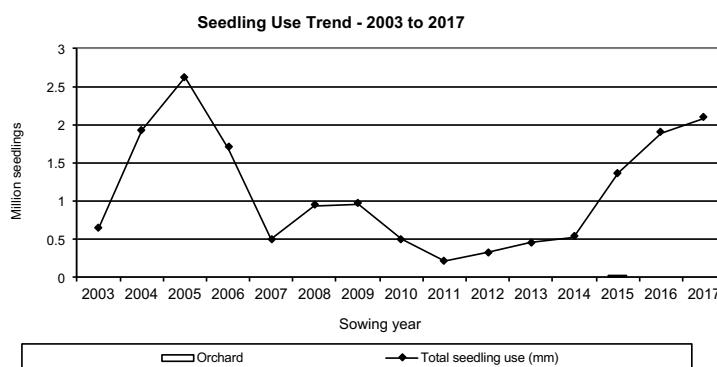
Seed and Nursery Factors

Expected annual average seedling production per ramet = 1,457	Annual planting (million seedlings)	1.3
Seed weight (seeds/gram) = 82	Planned over-production factor	1.2
Seedling recovery factor (seedlings/seed) = 0.53	Ramets required	865
Seedling recovery factor (seeds/seedling) = 1.90	Ramets required with over-capacity	1,038
	Projected necessary expansion	0

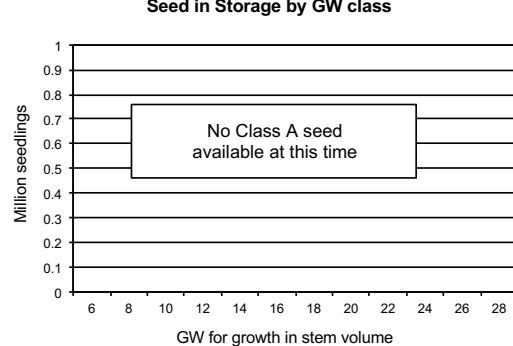
SEEDLING USE AND SEED IN STORAGE

5-year average seedling requests to SPAR (2012 - 2016) Estimated years of class-A seed in storage

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

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