

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.

GENE CONSERVATION STATUS

Conservation statistics

	Seed planning unit (SPU) area	6,972,597	ha
	Area protected within SPU	224,719	ha
	Percentage of SPU area protected	3%	
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		45	

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/>

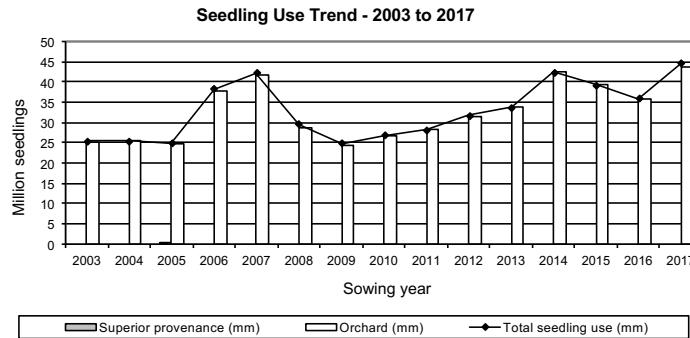
ORCHARD STATUS

Seed and Nursery Factors

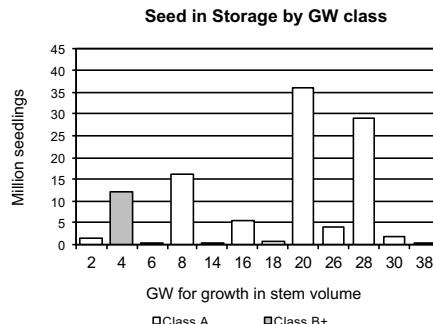
Expected annual average seedling production per ramet = 12,000	Annual planting (million seedlings)	39.2
Seed weight (seeds/gram) = 390	Planned over-production factor	1.2
Seedling recovery factor (seedlings/seed) = 0.45	Ramets required	3,266
Seedling recovery factor (seeds/seedling) = 2.20	Ramets required with over-capacity	3,920
	Projected necessary expansion	0

SEEDLING USE AND SEED IN STORAGE

Average 5-year seedling use from SPAR (2013 - 2017)	39.2	million
Estimated years of class-A seed in storage	2.4	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 Worth (GW) for growth means the projected additional wood volume available at rotation compared to using Class B seed.

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