

SPU # 26

Lodgepole pine Prince George 1400 - 2000m

CONSERVATION -- GENECOLOGY -- SEEDLING USE

Previously 1200-2000

Annual planting (million): 1.2

Program category: Genecology

Program rank: 39

Filename: 26 Pli PG high Sept 2017

GENETIC CONSERVATION STATUS

Conservation statistics

Seed planning unit (SPU) area	3,771,076	ha
Area protected within SPU	737,752	ha
Percentage of SPU area protected	20%	
Estimated genetic reserves with >5000 mature trees based on botanical sample data	>4	
Confirmed genetic reserves with >5000 mature trees based on forest inventory data	22	

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

Issues:

Breeding and orchard program costs are prohibitive at this time. No selection or testing of parents underway.

Provenance testing:

Extensive provenance testing for lodgepole pine implemented across BC in the late 1960's and early 1970's. Data from these tests have supported the development of seed transfer guidelines.

Projects:

Provenance test site maintenance and assessments are ongoing.

Seed sources:

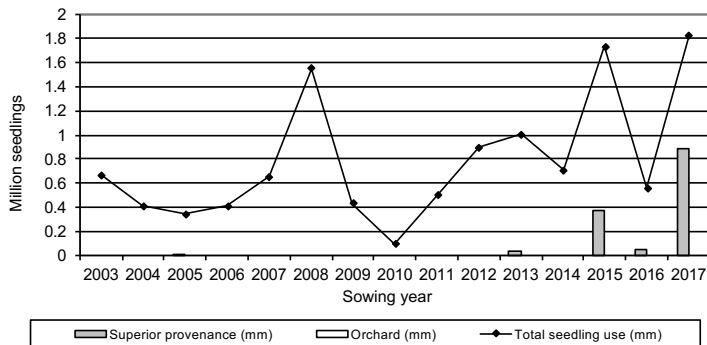
Superior provenances (B+) identified. *Seed the Forest and Range Practices Act, Chief Forester Standards for Seed Use* (Appendix 4)

No B+ sources are identified for this seed planning unit

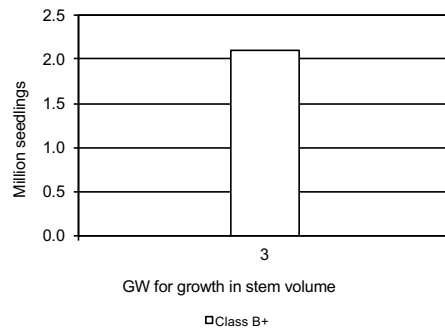
SEEDLING USE

5-year average seedling requests to SPAR (2013- 2017) 1.2 million

Seedling Use Trend - 2003 to 2017



Seed in Storage by GW class



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.