

Finding Climatically Suitable Seed and Applying for an Alternative

This webinar will cover:

1. The Chief Forester's Standards
2. Basics of Climate Based Seed Transfer (CBST)
3. Searching for seedlots in the seed planning and registry
4. How to apply for an alternative to the Chief Forester's Standards for Seed Use

Chief Forester's Standards for Seed Use

Section 7.3 and What it Means

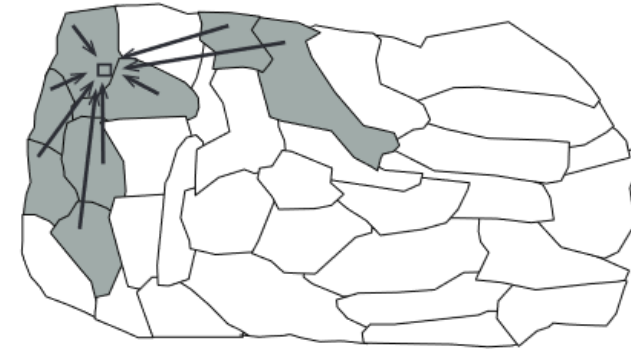
- Applies to those who need to establish a stand under section 29 of FRPA
- Users must select a registered lot, or portion of a registered lot, that, at the time of selection, has a genetic worth of 5 per cent or greater for the species and trait that best achieves the forest management objectives for the stand
- the area where seedlings or cuttings are to be planted complies with seed transfer rules → Climate Based Seed Transfer

What is Climate Based Seed Transfer

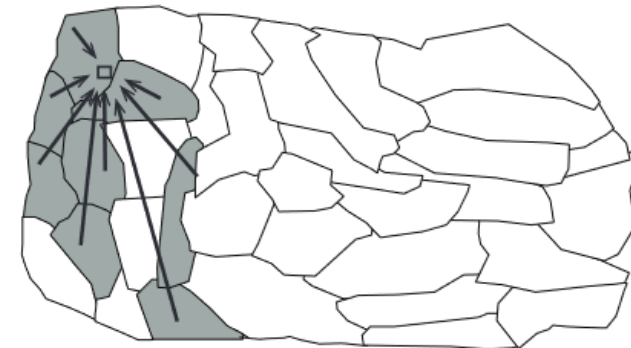
- Climate Based Seed Transfer (CBST) matches seedlings/seedlots to future (projected) planting site climates
- adaptation strategy to promote healthy, resilient and productive forests and ecosystems



(a) Focal zone seed transfer system – without assisted migration



(b) Focal zone seed transfer system – with assisted migration



Search for suitable seedlots using Climate Based Seed Transfer

Identify CBST suitable seedlots that are:

- a. In your organisation's ownership
- b. Available in surplus from other owners

Surplus Seed Available in SPAR

If suitable surplus seed is found in SPAR, it can be:

- a. Use in a seedling request for the current sowing year
- b. Acquired from the orchard or owners for use in upcoming sowing years

Reserved Seed in SPAR

Contact owners of CBST suitable seedlots held in reserve.

- a. Conduct a [client search](#) to obtain contact information for the seedlot owner
- b. Contact seedlot owner to see if they are interested in selling or trading some of the reserve inventory

No CBST suitable or accessible seedlots in SPAR inventory

If CBST suitable seedlots cannot be found in the seedlot inventory:

- a. Reach out to [TSC staff](#) to determine whether there are seedlots undergoing registration that could service your area
- b. Look into [collecting cones](#) and [registering wild stand seed](#) to meet your reforestation needs
- c. Consider changing the [species that you are planting](#) if possible

Request for an Alternative to the Chief Forester's Standards for Seed Use

Contact the [Policy and Planning team](#) to discuss obtaining an [Alternative to the Chief Forester's Standards for Seed Use](#). The process includes:

- a. Identifying CBST Alternative Seedlots in SPAR.
- b. Discussing the feasibility of using identified seedlots for your reforestation program with Tree Breeders and the Adaptation and Climate Change Scientist
- c. Submitting a Request for an Alternative to the Chief Forester's Standards

Search for suitable seedlots using Climate Based Seed Transfer

Identify CBST suitable seedlots that are:

- a. In your organisation's ownership
- b. Available in surplus from other owners

Surplus Seed Available in SPAR

If suitable surplus seed is found in SPAR, it can be:

- a. Use in a seedling request for the current sowing year
- b. Acquired from the orchard or owners for use in upcoming sowing years

Reserved Seed in SPAR

Contact owners of CBST suitable seedlots held in reserve.

- a. Conduct a [client search](#) to obtain contact information for the seedlot owner
- b. Contact seedlot owner to see if they are interested in selling or trading some of the reserve inventory

No CBST suitable or accessible seedlots in SPAR inventory

If CBST suitable seedlots cannot be found in the seedlot inventory:

- a. Reach out to [TSC staff](#) to determine whether there are seedlots undergoing registration that could service your area
- b. Look into [collecting cones](#) and [registering wild stand seed](#) to meet your reforestation needs
- c. Consider changing the [species that you are planting](#) if possible

Request for an Alternative to the Chief Forester's Standards for Seed Use

Contact the [Policy and Planning team](#) to discuss obtaining an [Alternative to the Chief Forester's Standards for Seed Use](#). The process includes:

- a. Identifying CBST Alternative Seedlots in SPAR.
- b. Discussing the feasibility of using identified seedlots for your reforestation program with Tree Breeders and the Adaptation and Climate Change Scientist
- c. Submitting a Request for an Alternative to the Chief Forester's Standards

Request for an Alternative to the Chief Forester's Standards for Seed Use

FPPR Section 43 and WLPPR Section 32 provides seed users the ability to apply for an Alternative. An Alternative request must identify:

- Details of the proposed alternative
- The holder of the applicable free growing obligation(s)
- The seed to which the alternative applies, and
- The effective period (start and end dates) of the proposed alternative

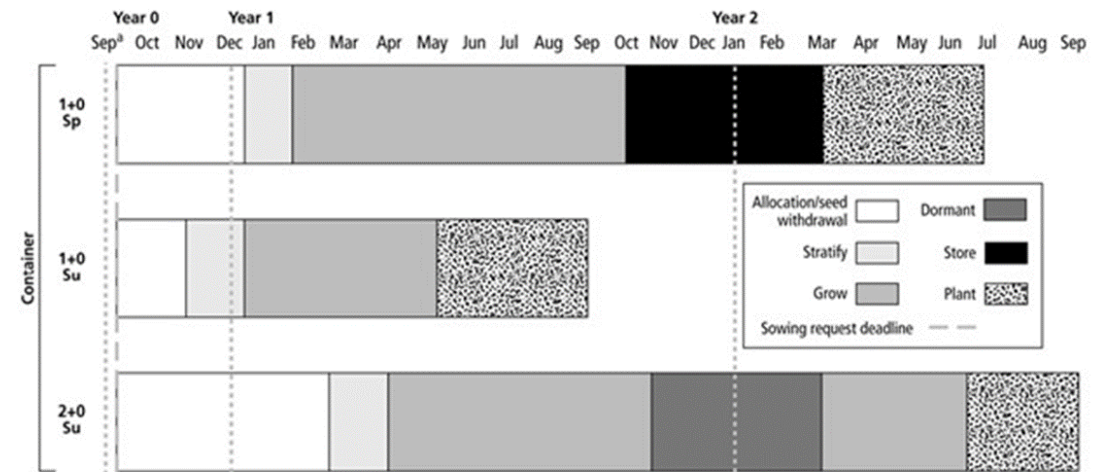
Request for an Alternative to the Chief Forester's Standards for Seed Use

A request should include supporting information such as:

- Objectives and goals,
- Rationale or reasons of the alternative,
- Strategies or methods used to achieve the alternative,
- Assessment of the potential benefits and risks,
- Genetic suitability of proposed alternative seedlots,
- Supporting scientific, and technical information,
- Record keeping, monitoring and validation plan

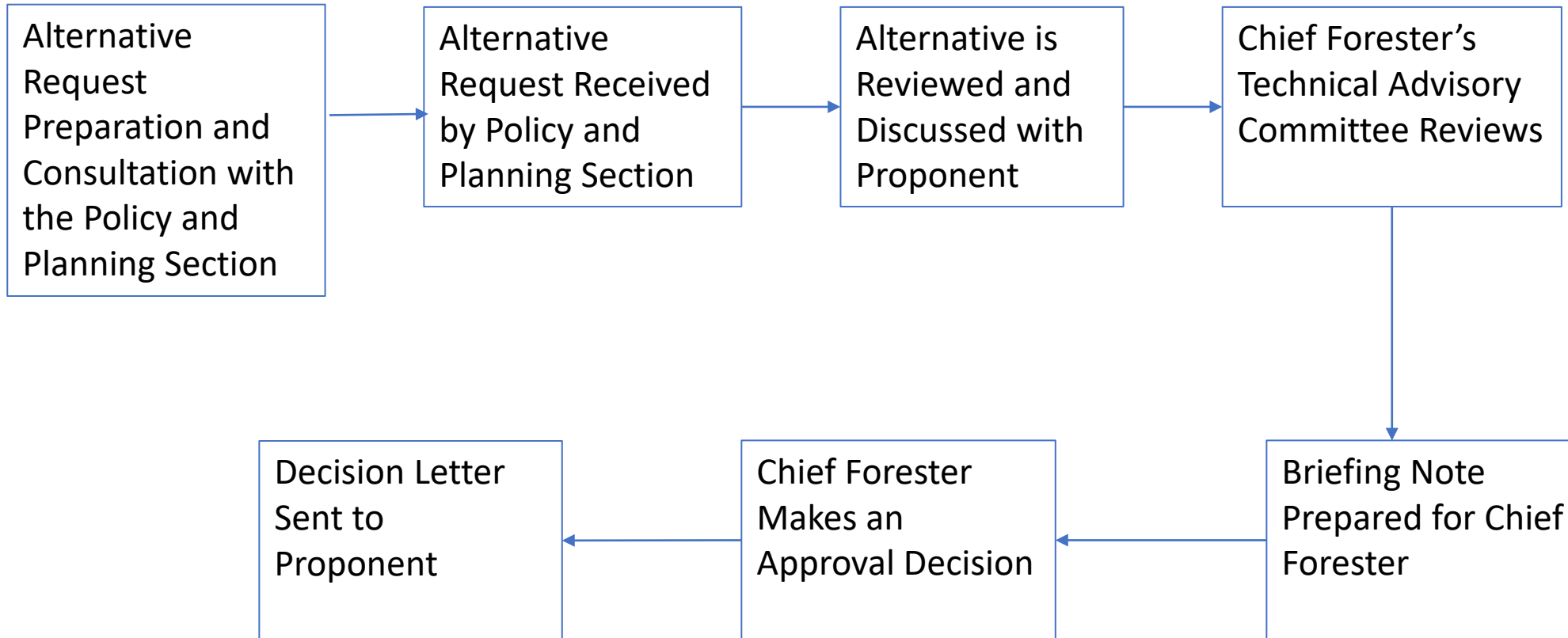
Timelines for Alternative Requests

- A formal letter requesting an alternative to the Chief Forester's Standards for Seed Use are ideally submitted well ahead of your sowing request deadline (minimum 6 weeks)
- Discuss sowing deadlines ahead of time with the nursery as these can greatly vary
- Reach out to Policy and Planning staff at the Forest Improvement and Research Branch to discuss options for an alternative request



^a Early sowing request deadline. Early sow requirements apply to: 1+0 Yc; 1+0 Pw; 1+0 Ba; 1+0 Bl; 1+0 Bn; all 1+0 summer plant and half-year transplant stock, and Cw.

Alternative Process



If you have further questions, please contact the Policy and Planning team at FORHTIP.SEEDHELP@gov.bc.ca