

Chief Forester's Standards Amendments to Remove GBST and Seed Planning

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Forests, Lands, Natural
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Timeline

- Technical Report 2017 “A Proposed Climate-based Seed Transfer System for British Columbia”
- Standards amended to include CBST as an option
August 2018 – planned 2 year transition to CBST
- April 2020 transition extended a minimum of 2 years
- June 2021 Chief Forester Memo announcing transition to CBST August 2022

What are the Chief Forester's Standards for Seed Use?

- The Chief Forester (CF) is provided authority to establish standards for seed use in BC,
 - in the *Forest and Range Practices Act*, section 169
 - through the *Forest Planning and Practices Regulation* and the *Woodlot License Planning and Practices Regulation*.
- Legally enforceable.
- Apply at time of sowing and at time of planting
- Currently no transition language if Standards are updated between sowing and planting

Sections within the Chief Forester's Standards for Seed Use

- 1. Definitions**
2. Application
3. Purpose
4. Effective Date
- 5. Registration**
6. Storage and Testing of Registered Lots
- 7. Selection and Use of Seeds and Vegetative Material**
- 8. Transfer Limits for Registered Lots**
- 9. Appendices**

Transition Period

- Could use Existing OR CBST Standards OR mix of both
- A chance to learn the new CBST system
- Opportunity to use up seed that you may no longer be able to use in your operating area under CBST
- Carry out seed planning, acquire seed for reforestation under CBST

Key Questions

- Are there gaps in CBST coverage? If yes, are there opportunities to fill them (e.g. with Class B)?
- Are there “orphans” – seedlots with nowhere to plant, or BECs with no seed source? How do we address?

CBST Matrix is part of the standards, amending standards to complete transition provides an opportunity to potentially address gaps or orphans

Next Steps

- SPAR updates (underway)
- Draft of amended text for the standards (end of January)
- Refresh Alternatives guidance
- Solicit input on gaps and orphans
- Update the Matrix
- Gazette new version of Standards April 1st, 2022

Seed Planning Checklist

- 1. Determine Needs**
- 2. Determine Seed Supply**
- 3. Acquire Required Seed Supply**

Determine Needs

- Which biogeoclimatic variants (BEC) do your forest development units fall within?
- What is the desired species mix for planting?
Calculate total estimated seedling needs
(density of tree planting per hectare x hectares for each species)

Determine Seed Supply

What is the existing seed inventory of select and natural stand seedlots?

- Use the SPAR application "Seedlot Search" function or "Seedlot Reports" to determine existing inventories by seed class (select or natural stand seed).
- Use the Seedlot Selection Tool

Suitable Seedlot Search in SPAR

Application Home

SPR10 Suitable Seed/Vegetative Lot for CBST

Search Lot Info Requests Reports

Lot Info Requests Reports Serv

- Lot Search
- Seedlot
- Vegetative Lot
- Suitable Seed/Vegetative Lot
- Suitable Seed/Vegetative Lot for CBST**
- Lot Allocation
- Parent Tree

Lot Type: Active/Expired: *
 Species: *
 Latitude: Longitude:
 Site BEC Zone: * BEC Subzone: * Variant:

 No. of Seedlings (000's):
 Crown/Private: Registered:
 Owner Agency:
 Cutting Quantity: Production Year:
 Seed Quantity:

Display: Trees Quantity (grams/cuttings)
 Orchard No./Location Lat/Long

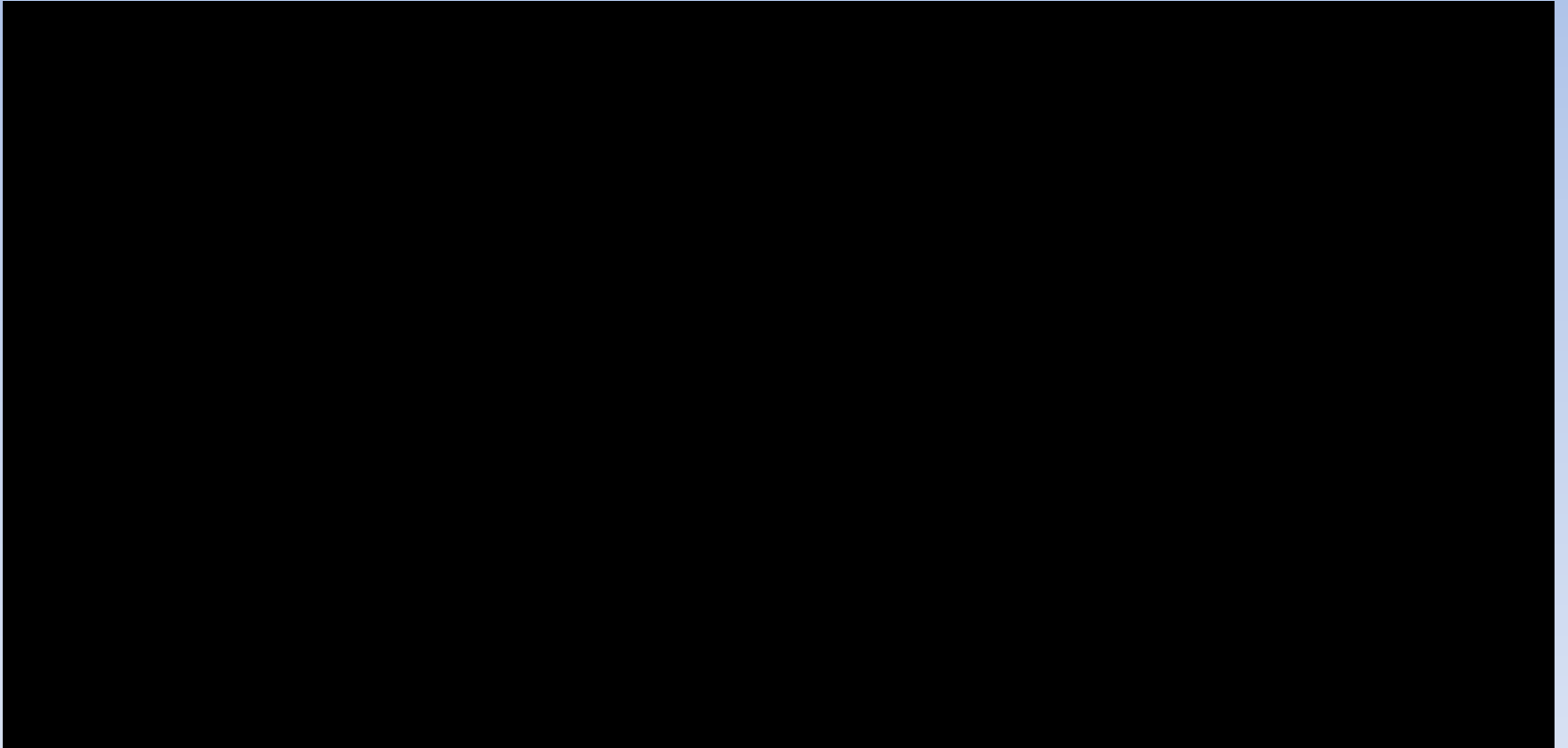
Seedlot Quantity is displayed in grams; Vegetative lot Quantity is displayed in No. of Cuttings (in thousands)

13 rows returned

Lot No.	Genetic Class & Worth	Germ. %	Agency	BEC	Orchard No. / Location	Coll. / Prod. Year	Reserve Trees (000's)	Surplus Trees (000's)	DT	CBST
63919	A GVO+25	88	MOF 20	ICHdw4	341 - KALAMALKA	2020	0	14523.8	DT	CBST
63919	A GVO+25	88	MOF 64	ICHdw4	341 - KALAMALKA	2020	2474	0	DT	CBST
63772	A GVO+24	92	MOF 20	ICHdw4	341 - KALAMALKA	2018	0	8092.1	DT	CBST
63575	A GVO+22	91	MOF 20	ICHdw4	341 - KALAMALKA	2016	0	1391	DT	CBST
63960	A GVO+22	87	BCTS 00	ICHdw4	341 - KALAMALKA	2015	.8	0	DT	CBST
63270	A GVO+22	86	BCTS 00	ICHdw4	341 - KALAMALKA	2010	2748.5	0	DT	CBST
04963	B	92	WEYER 14	ICHdw1	MCFARLANE CREEK	1985	12.6	0	DT	CBST
05264	B	92	MOF 01	ICHdw1	NICOLL CREEK	1985	100.3	0	DT	CBST
05267	B	91	MOF 01	ICHdw1	9 KM BURREL CREEK	1987	6200.3	11481.6	DT	CBST
04947	B	90	MOF 00	ICHdw1	9 KM BURREL CREEK	1987	0	55.2	DT	CBST
48040	B	89	SELKMF 00	ICHdw1	MALDE-007	2000	164.2	0	DT	CBST
04048	B	83	HILLCORE 00	IDFww	SCUZZY CREEK	1979	8.5	0	DT	CBST

Seedlot Selection Tool

“I have a cutblock”



Seedlot Selection Tool

“I have a seedlot”

 **CBST Seedlot Selection Tool Version 6.0** CBST Areas of Use as per the April 2019 Amendments to the Chief Forester's Standards for Seed Use, [BEC 10]

Seedlot Data Current as of November 26, 2021

[Instructions](#) | [I Have A Cutock](#) | [I Have A Seedlot](#)

Species: SX

BEC Variant: (Select up to 3)
IDFsk1, IDFsk2, IDFwse

Operation BEC	Seed BEC	Substrate	Link
IDFsk1	ICHw1	Substr	
IDFsk1	ICHw1	Substr	
IDFsk1	ICHw1	Substr	
IDFsk1	IDFwse	Substr	

0990	34L	22.0	A	ICHw1
0222	34L	22.0	A	ICHw1
0286	34L	21.0	A	ICHw1
0270	34L	22.0	A	ICHw1
0508	34L	22.0	A	ICHw1
0942	34L	22.0	A	ICHw1
6875	34L	22.0	A	ICHw1



Enter a location (Lat,Long)

Acquire Required Seed Supply

- If seedlots that fit your site are not in surplus, contact seedlot owners to see if they would be interested in selling reserved seedlots
- Consider a wild-stand collection that fits your operational area if there are gaps in the seedlot inventory
- If all else fails, look into an alternative to the Chief Forester's Standards for Seed Use

Alternatives for the CF Standards for Seed Use

- Under section 169 of the Forest and Range Practices Act (FRPA), and regulations pertaining to seed use (FPPR section 43 and WLPPR section 32), a person who uses seed may submit for approval an alternative to any standard established by the Chief Forester.

Seedlot Alternative Screen

Application Home

SPR134 - Seedlot Search for CBST Alternatives

Search Lot Info Requests Reports

Lot Type: Active/Expired: *
 Species: *
 Latitude: Longitude:
 Site BEC Zone: * BEC Subzone: * Variant:

No. of Seedlings (000's):
 Crown/Private: Registered:
 Owner Agency:
 Cutting Quantity: Production Year:
 Seed Quantity:

Display: Trees Quantity (grams/cuttings)
 Orchard No./Location Lat/Long

Seedlot Quantity is displayed in grams; Vegetative lot Quantity is displayed in No. of Cuttings (in thousands) 0 rows returned

Lot No.	Genetic Class & Worth	Germ. %	Agency	Genetic BEC Suitability	Orchard No. / Location	Coll. / Reserve Prod. Year	Surplus Trees (000's)
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Do you own seedlots that you no longer need?

- Move them to surplus in SPAR so that others can purchase them or use them!