

CBST Implementation Operational Issues - Breakout Sessions

Session Lead	Topic	Issues and Questions	Potential Solutions and Opportunities
Greg O'Neill	CBST 101 Overview of Science	How to differentiate between hundreds of suitable seedlots to determine which seed is best for site and evaluate trade offs between various genetic gain values.	consider adding genetic suitability back into the Forsite tool and into SPAR. Greg to bring this to discussion with breeders and Policy group.
Margot Spence & Leslie McAuley	CBST Gap Analysis Tool	- how current is the information, compared to SPAR? - can you filter on owner/agency (no) - will this tool continue to be updated?	- checkout CBST website for maps, overlapping orchards and gap analysis tools - Use of "BECvar Group" as a link back to FGC Species Plans. - Identification of CBST impacts relative to current orchards/GBST AOU's. - Identification of CBST gaps (seed surplus/deficits through use of Species, MU, Genetic Class and GVO filters
		How much ground used to have A seed available that no longer does and what is the impact on timber supply?	CBST Program to evaluate
		Are we deploying Orchard seed on the best sites?	CBST Program to evaluate
Susan Zedel & Sabina Donnelly	CBST Seedlot Selection Tool	Licensee found that the spatial SPZ was not matching what he thought the SPZ was. This is common problem for 2 reasons: 1) the linework and polygons in the BEC spatial data are more current in some parts of the province and don't match BEC that forest professionals find on the ground in many areas; 2) FSPs usually used an earlier version of BEC.	When searching for suitable seedlots and entering seedling requests, use the BEC that you know to be correct on the ground. The only issue with this is that it must be a BECv10 variant and the FSP may use an expired code. In SPAR you can enter a BEC override in a Seedling Request. This Licensee was having problems with his requests in SPAR due to this issue.
		Licensee from 100 Mile House found that the spatial BEC was not matching the BEC in his FSPs. This is because all the DMH licensees and Ministry staff had an Alternative to the CF Standards a few years ago to re-align the SPZ boundaries for their use, but not neighbouring Districts, so the spatial SPZ data could not be updated in the BCGW and SeedMap.	DMH users need to have their own GIS systems to use the SPZs they modified and enter SPZ overrides when entering seedling requests. Once CBST is the only transfer system the SPZ problem will go away.
		Nursery user - question about seedlots not showing up in a Lot Search.	SPAR Users should use Suitable Seedlot Search and NOT Lot Search if they want the transfer guidelines (GBST or CBST) to be used to limit the list). Training for SPAR users - ongoing plus videos will be created in 2019 to post on website.
Kori Vernier	Planting & Sowing and Seed Needs by BECvar	Need to evaluate if you have the correct seed for where they plan to harvest and reforest	Reviewed use of JRPs Plant Wizard Program with extensive seed import, filtering and transfer analysis using both CBST or GBST. Organize program by BECvar.
		Where do I get seed from for areas that I used to use orchard seed or I do not operate in those BECvars?	still need to figure out groupings of BECvars to simplify the process Identify BECvars and work with breeders to develop an intern plan.
		What do we do with the seed that no longer fits our operating area?	can currently list as surplus on SPAR. Once impact is well understood, need to develop something to ease the burden of seed sales. Seed auction? Seed distributor? Compensation for impacts?
Bill Laing, Dave Kolotelo, & Stephen Joyce	Wild Stand Cone Collections	Need to understand how long current CBST rules will apply. It's supposed to be dynamic and change over time. It impacts how large a collection you should make.	needs to be considered in Policy and Implementation working group.
		Lack of experienced cone collectors. This was an issue in 2018 with the bumper crops and multiple species.	<ul style="list-style-type: none"> Develop a list of cone collectors in the Province. Dave Kolotelo Extension to workshops on "How to Collect Cones". Posted on FIRM website
		Wild Stand Seed Opportunities Discussed	<ul style="list-style-type: none"> Consider options outside Provincial boundaries where gaps in seed inventory. (Alberta, USA) In regards to orphaned seed, look into potential seed sales outside Provincial boundaries . Consider group collections.

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		Should we have cone collection workshops in 2019?	1 participant indicated this is an opportunity to develop more cone collectors. However, 2019 is expected to have low quantities of cones and high quantities of insect therefore, we might scare away rather than attract new people into the business. Info posted online from 2018 workshops. Review 2020.
Brian Barber	Seed Orchards	Are there any opportunities to adjust BEC var in any situation? Does Gregs' analysis on changing BEC var of orchard seedlots make this option a non-starter?	Greg to respond with email to orchard managers .
		Can custom collections be used as a mitigation tool (for CBST seed gaps) for existing or planned orchards?	
		Can orchard managers review spread sheet with parent tree climates?	
		Can orchards be rouged to improve CBST deployment areas?	
		Can breeders ID parents with suitable BEC var to include in orchards?	
		Can we better predict future seed needs for orchard planning? For which areas will new orchards be required?	Jeff Mycock, Brian Barber and FIRM will undertake future seed needs analysis, based on timber supply and silv strategies etc. With assistance of consultant(s) commencing in April. Brian to provide updates.
		Are existing orchards going to be changed dramatically, be phased out or re-grafted in the future? How soon?	CSBT policy team to consult with breeders, work with FGC TACs to develop new species plans. TBD
		Develop plans for species/orchards based on new CBST zones and future seed demands.	see Species Plans below
		Who determines new orchard allocations? (Q also arose during Business Meeting)	CF Guiding Principles and FGC process, including breeder recommendations. FIRM/FGC to clarify decision-making process for new (CBST) orchard allocations. TBD
		Species Plans	Will FGC Business Plan (Species Plans) change – reassigning seed planning zones and seed supply and demand, scenarios from SPAR
US & Alberta Seed	Should we obtain US/AB seed or parent trees to include in BC's seed orchards? If so, how would we determine their GW? Including parents may fill gaps in BC? Could the same be applied for NE BC with parents/seed sources from Alberta?	Tree breeders and Greg to review opportunities – make recommendations.	
Stocking Standards	Should blocks reforested with Class A seed have different stocking standards? E.g. Few stems per ha. due to faster growth, better survival, higher pest resistance, quicker to free growing. Optimizes use of more valuable seed. esp. where shortages occur - Pli. Could this significantly change timber volume projections on a stand? Try TASS and or TIPSYS.	Greg's to assess potential in his seedlot diversity project; and Ian Cameron's analysis on timber supply impacts – mixed Class A and B seed use.	