

SPAR – Release 6.22 – In Production Environment February 22, 2018

SPAR Release 6.22 includes changes for Climate Based Seed Transfer (CBST), which is currently used as an “Alternative” to the *Chief Forester Standards for Seed Use*. CBST will be included in an “Amendment” to the CF Standards in 2018. For information on CBST go to www.gov.bc.ca/climatebasedseedtransfer.

A significant change that users will notice is the replacement of the original SeedMap tool in all of the SeedMap links with **CWM SeedMap**. The original SeedMap, built using IMF2 technology similar to IMap and Mapview, using data from the BC Geographic Warehouse will still be available as a stand-alone application. CWM SeedMap, built with Common Web Mapping infrastructure and using data from Geoserver is accessed from all of SeedMap links in release 6.22.

SPAR Release 6.22 - general screen and report changes:

- Seed transfer using CBST requires that all seedlots have a BGC zone/subzone/variant. Screens and reports have been changed or will be changed in the next release (6.3) to include this information if it did not prior to 6.22. Note that the terminology for BGC (BioGeoClimatic) and BEC (Biogeoclimatic Ecosystem Classification) are both used in SPAR in this release due to BEC becoming the more commonly used acronym. New species suitability and genetic suitability tables are incorporated in SPAR and used to generate the CBST information.

SPAR Release 6.22 includes the following changes under the Lot Info menu:

- **Seedlot Detail** screen – Source Information section – Class B seedlots must all have a BGC zone/subzone/variant, validated in BEC version 10. Class A seedlots all have a BGC zone/subzone/variant that has been assigned to a Seed Orchard. All seedlots from an orchard share the same BGC codes. This source information is used for seed transfer using CBST rules.
- New **CBST** screen – the CBST tab to the right of Seedlot Detail displays the list of BEC units where a seedlot can be deployed using CBSTNew CBST Area of Use Map – this link from the new CBST screen opens CWM SeedMap with BEC units highlighted as per the list of BEC units where the Seedlot can be deployed. The list of BEC units is the same as the list displayed on the CBST screen but with the zone/subzone/variant merged – eg. SBS dw 2 is SBSdw2. Some BEC units may include an * eg. SBSwk1*, which indicates that the species may not be suitable in that BEC zone/subzone/variant, but if the Stocking Standards for a Site Series, then the Seedlot is suitable using CBST.
- New **Suitable Seed/Vegetative Lot Search for CBST** – this new screen requires the user to enter only Species and BEC Zone/Subzone/Variant (must be current BEC version 10) to do the search. The user has the option to enter Latitude and Longitude in Degrees/Minutes/Seconds and press the ‘Default BEC’ button, which find the spatial BEC unit for that geographic location. When the user clicks on ‘Go’ the list of seedlots displayed are those that meet the climate based seed transfer rules built in to SPAR. The layout of the list is similar to the original Suitable Seed/Vegetative Lot Search list. Note that the pre-selection of one or more seedlots on this screen will only list the pre-selected seedlots, not the full list. This functionality will add in late March 2018.

SPAR Release 6.22 includes the following changes in Requests:

- **Seedling Request** screen – When entering a Seedling Request, the Biogeoclimatic Zone/Subzone/Variant fields have been optional in the past, but entry of BGC information has provided for a larger list of Class B seedlots that are suitable under the CF Standards transfer limits for natural stand seedlots. The BGC Zone/Subzone/Variant fields will be mandatory and validated with the current BEC version (10) starting with Release 6.22 to enable CBST.
- **Lot Selection** screen – The list of suitable seedlots displayed will include lots that fit the current transfer rules in the CF Standards AND lots that fit CBST transfer rules. Seedlots that are listed with CBST have a ‘C’ to the left of the Seedlot. When a Seedlot fits using both transfer rules, it will be listed twice for each owner.
- **Selection of a lot using CBST** – at the time of Release 6.22, selection of a seedlot using CBST requires submission of a CF Standards Alternative. Therefore the user will be prompted for a CBST Override. This will be changed in a future release to coincide with an Amendment to the CF Standards.

Further changes to SPAR for CBST will be included in Release 6.23, scheduled for release in April. Release 6.23 will include significant changes to Genetic Worth for Seedlots, Vegetative Lots and Parent Trees. Several screens and reports will change in release 6.23 to incorporate both the Genetic Worth and CBST information.