

Cone and Seed Fee Schedule – July 2019

Effective date **July 2, 2019**

Surplus Seed Prices

The following prices apply to the sale of ministry seed purchased on an individual sowing request basis.

1. Seed Orchard Seed¹

Species	Species Code	Price per kg of seed	Specified Germination ²
Alder, red	Dr	\$13,000	90%
Birch, paper	Ep	\$19,200	85%
Douglas-fir: (genetic worth 2-6%)	Fd	n/a	n/a
Douglas-fir: (genetic worth >= 7%)	Fd	n/a	n/a
Douglas-fir, Coastal	Fdc	\$ 4,520	90%
Douglas-fir, Interior	Fdi	\$ 4,320	90%
Hemlock, western	Hw	\$ 7,000	90%
Larch, western	Lw	\$ 3,850	85%
Pine, lodgepole	Pl	\$ 8,500	90%
Pine, ponderosa	Py	\$ 1,000	85%
Pine, western white	Pw	\$ 2,500	85%
Redcedar, western	Cw	\$ 8,400	85%
Spruce, interior	Sx	\$ 4,400	85%
Spruce, sitka	Ss	\$ 4,000	90%

2. Vegetative Material (cuttings)³

Species	Species Code	Price per seedling quantity ordered
Cedar, yellow (cypress)	Yc	\$0.03

¹ All orchard seed with a GW < 5 (with no other genetic worth traits (e.g. resistance), will be discounted to 50% of listed price.

² Specified germination is the minimum expected germination for a species and genetic class for calculating seed price adjustments.

³ Vegetative material (cuttings) was not previously included in the 2011 fee schedule since a cost recovery pricing model had not yet been developed. Vegetative lots are charged by the number of seedlings requested in SPAR, rather than the number of cuttings provided. The current prices shown for Yc cuttings represents the prices charged directly by the Ministry Vegetative Orchards.

3. Natural Stand Seed (collected prior to 2003)⁴

Species	Species Code	Price per kg of seed	Specified Germination
Alder, red	Dr	\$ 483	65%
Birch, paper	Ep	\$ 477	75%
Cedar, yellow (cypress)	Yc	\$3,704	40%
Douglas-fir, Coastal	Fdc	\$ 924	90%
Douglas-fir, Coastal (1966 crop)	Fdc	\$ 527	80%
Douglas-fir, Interior	Fdi	\$ 686	90%
Fir, amabilis (Pacific silver)	Ba	\$ 298	75%
Fir, grand	Bg	\$ 239	80%
Fir, noble	Bp	\$ 209	60%
Fir, subalpine	Bl	\$ 477	60%
Hemlock, mountain	Hm	\$2,192	85%
Hemlock, western	Hw	\$1,715	90%
Larch, western	Lw	\$1,879	85%
Pine, limber	Pf	\$3,080	45%
Pine, lodgepole Coastal	Plc	\$1,520	90%
Pine, lodgepole Interior	Pli	\$1,826	90%
Pine, western white	Pw	\$1,119	85%
Pine, yellow (ponderosa)	Py	\$ 298	90%
Redcedar, western	Cw	\$1,669	80%
Spruce, other (hybrid, black)	Sx, Sxs, Sb	\$ 823	90%
Spruce, sitka	Ss	\$ 999	90%

4. Natural Stand Seed (collected after 2003)

The price of natural stand seed collected after 2003 is based on the direct recovery of the cost of procuring the seedlot, as costs can vary considerably based on the collection area, method (eg. ground vs. helicopter) and seed quality.

5. Germination Price Adjustment (for Orchard and Natural Stand seed)

If the percent germination of a seedlot is the same or higher than the specified germination listed in the tables, there is no adjustment to the price. If the percent germination of a seedlot is lower than the specified germination in the tables, the following price adjustment formula will apply.

⁴ The price of seed collected after 2003 is based on the cost of procuring the seedlot, as costs can vary considerably based on the collection area, method (e.g. ground vs. helicopter) and seed quality.

Price Adjustment formula:

$$\frac{\text{\% germination of seedlot}}{\text{specified \% germination of species and genetic class}} \times \text{price per kg} = \text{adjusted price per kg}$$

Example: Pine, lodgepole orchard seedlot:

Seedlot germination 75%

Specified germination for Pine, lodgepole 90%

Price per kg - \$8,500

Adjusted price is: (75/90) x \$,8500 = \$7,383.33 per kilogram

6. Price Variations for Government Orchard seed

The ministry may set different prices **for orchard seed** if:

- there is no seed price listed for the species and source;
- the ministry acquired the seed for a price different from that listed in the tables above;
- the seed was produced to specifications requested by a client which required additional resources to produce, collect or process; or
- the seed is sold as part of a bulk sale or seed supply agreement.

Tree Seed Centre Cone and Seed Services Fee Schedules

This schedule contains fees for the following services offered at the ministry’s Tree Seed Centre:

1. Cone and Seed Processing
2. Seed Testing
3. Seed Preparation
4. Seed Withdrawal and Transport
5. Other Services

This fee schedule does not apply to services rendered in registering and storing seed in accordance with the prescribed requirements under the *Forest and Range Practices Act* and *Forest Practices Code of British Columbia Act* - including associated seed testing services.

For information about all Tree Seed Centre services, please contact the manager at 778-609-2000 or visit www.gov.bc.ca/treeseedcentre

1. Cone and Seed Processing

1.1 Basic Processing Fees:

Type of seedlot	Fee per request
Standard (bulk) and Family	\$150
Other	\$75

Basic seedlot charges are divided equally among owners.

1.2 Processing Fees by Species

In addition to the Basic Processing Fees, the following fees apply:

Species	Fee \$/Hectolitre Cones
Douglas-fir (interior & coast)	\$ 80
Fir, amabilis, grand & sub-alpine	\$170
Hemlock, western and mountain	\$102
Pine, lodgepole (interior & coast), white, Spruce (interior and Sitka)	\$ 72
Pine, yellow, limber and whitebark	\$ 86
Red cedar, western , Yellow cedar, Larch spp., Alder spp., Birch spp.	\$ 94
Spruce, black	\$110

Multi-agency processing charges are apportioned by ownership percent.

Services provided for the above fees include some or all of the following activities depending on seedlot type:

- pre-collection cone and seed evaluations
- pre-treatment, conditioning and storage of cones
- kiln, forced-air and/or ambient drying of cones
- tumbling and/or screening to extract and recover seeds
- seed cleaning, de-winging and separation to specified purity, moisture, filled seed and homogeneity standards
- blending, labelling, and bagging of seed
- cone and seed inspections performed throughout the process
- removal of waste cones, debris and burlap sacks
- on processing cycle completion, observations, results and any recommendations are reported to clients. Problems may be reported to clients at any stage during processing

Every effort is made to process seedlots on a priority basis, providing the seedlot in question can tolerate expedited processing.

1.3. Priority Processing Fees

Where clients request that a seedlots processing be fast-tracked so that it is immediately available (e.g. Crown land reforestation), an additional fee of \$200 for collections ≤40 hectolitres in size and \$300 for collections >40 hectolitres in size, will be applied.

1.4. Additional Handling Fees

Where atypical effort is required to receive and/or process seedlots, a fee of \$60 for each hour of additional handling will be applied (e.g. unorganized and/or unpalletized cone shipments).

Where cones require more than one kiln treatment an additional 50% charge per hectolitre, according to species rates in the Table of section 1.2, will be applied.

Where seed requires additional cleaning to remove excessive amounts of pitch, an additional 5% charge per hectolitre will be applied.

2. Seed Testing

If clients wish to request additional or family lot testing, the following per test charges apply. The Tree Seed Centre offers these services using ISTA standards and protocols.

2.1 Germination tests

Species	Fee per test
Douglas-fir (interior & coast) Pine, lodgepole (interior & coast) Pine, yellow (ponderosa) Spruce spp.	\$37
Alder spp., Birch spp., Aspen, Cedar, western red	\$43
Fir, grand	\$68
Larch spp., Hemlock spp.	\$50
Cedar, yellow Pine, white, whitebark & limber Fir, amabilis, subalpine & noble	\$90

*Preferred test type will be selected for germination tests.

2.2 Other Tests

Type of test	Fee per test
Purity	\$37
Moisture Content	\$14
Seed Weight (seeds per gram)	\$20
X-ray	\$14
Fungal Assays	Fees based on contractor's rates

2.3 Sampling

A sampling fee of \$24 will be added when one or more tests are requested against a seedlot.

3. Seed Preparation

3.1 Seed Stratification

Length/Type of Treatment	Fee per request
3-6 weeks stratification	\$ 40
Extended stratification*	\$ 55
Yellow cedar stratification	\$130

* True Firs (BA, BL, BP), white pine and requests for more than 6 weeks stratification.

Stratification services provided for above fees include:

- running water soak
- surface drying where appropriate
- chilling
- re-dry techniques used for true fir species
- testing and inspection throughout the process

3.2 No Stratification (Dry)

Length/Type of Treatment	Fee per request
Dry+	\$16

+ Fee to cover allocated fixed costs. This charge is already included in fees for seed stratification and pelleting.

3.3 Seed Pelleting

Seed pellet services are provided on contract. The Tree Seed Centre facilitates this process, then tests and inspects the final product. Fees for pelleting species other than Western red cedar will be based on contractor rates. Fees for western red cedar pelleting are as follows:

\$135 per request plus \$0.45 per gram to be pelleted up to a request weight of 749 grams. For requests where the pre-pellet weight is equal to or greater than 750 grams, a flat rate of \$460 per request will apply. Fees for pelleting services for alder and other species will be based on a flat rate of \$62 plus contractor's pelleting rates.

4. Seed Withdrawal and Transport

Seed withdrawal and transport services are provided at the following charges:

Service	Fee per request
Withdrawal	\$12
Shipping	\$6*

Services for these fees include withdrawal and labelling of seed, packaging in a secure carton also containing a freezer pack and waybill, then couriered by overnight delivery (standard government carrier).

There will continue to be no charge for withdrawals and shipping of requests for Crown land reforestation, education and research.

*minimum charge per individual shipment is \$12. Clients should advise the TSC directly if other than standard shipping methods are preferred and if so, shipments will be forwarded “collect”.

5. Other Services

Fees for other services are:

Service	Fee per request
Additional seedlot handling	\$60/hour
Seedlot upgrading	
Family lot blending	
Small lot cone and seed processing	
Special requests	

Notes:

- An Invoice Statement (FS70) is prepared on completion of services and forwarded to clients.
- All fees are subject to GST.
- Charges are billed directly to the requesting agency unless the Tree Seed Centre is otherwise directed in writing.