



**Ministry of Forests, Lands and
Natural Resource Operations**

Seedling Stock Specifications
for Commercial Forest Nursery Contracts
(Applicable to 2017 Seedling Requests)

File: 18500-03/2017

GENERAL SPECIFICATIONS:

Seedlings: • Must be free of any diseases, insects, chlorosis or mechanical damage;

Shoots: • Must not have forked tops without a clearly dominant leader (*i.e.* the leader must have dominance of at least 2.5 cm; and
• Must not be forked from the base;

Buds: • In those species that form terminal buds, the terminal buds must be visible and viable.

Roots: • Seedlings with sparse or deformed root systems must be culled out; and
• Seedlings must have a sufficient amount of roots to make an extractable plug and to be in balance with the foliage.

STOCK TYPES:

PSB	Plug Styroblock
PCT	Plug Copper Treated
PAP	Plug Air Pruned
PBR	Plug / Bareroot Transplant
PPT	Plug to Plug Transplant
PSI	Plug Styroblock I-Wrap
PCI	Plug Copper Treated I-Wrap
BBR	Bareroot
BRL	Bareroot Large
CRC	Rooted Cutting
PSR	Plantskydd

CONTAINER SIZES:

211A	240 cavities per block
309A	108 cavities
310B, 313B	160 cavities
411B	144 cavities
410, 412B	112 cavities
412A	77 cavities
512A	60 cavities
615A	45 cavities
615B	28 cavities

Stock Specifications for Container Seedlings (Age 1+0)

Species	Stock Type	Height (cm)			R.C.D. (mm)	
		Cull	Target	Maximum ⁽²⁾	Cull	Target
Alder (Dr, Alnucri), Aspen, Trembling (At) Birch (Ep)	PSB412A	14	23	35	2.7	3.6
	PSB512A	18	33	50	3.3	4.2
	PSB615A	24	40	55	4.0	5.5
Cedar, Western Red (Cw)	PSB410/412B	12	21	30	2.2	2.8
	PSB412A	18	30	42	2.5	3.4
	PSB512A	20	35	48	3.0	4.0
	PSB615A	30	40	55	3.5	4.5
Cedar, Yellow (Yc) seedlings	PSB410/412B	12	21	30	2.2	2.8
	PSB412A	15	26	35	2.5	3.3
	PSB512A	20	31	45	3.3	4.4
Cedar, Yellow (Yc) - cuttings	CRC412A	15	N/A	35	Acceptable Plug	3.3
	CRC512A	20	N/A	44	Acceptable Plug	3.7
	CRC615A	22	N/A	50	Acceptable Plug	4.0
Douglas-fir, Coast (Fdc)	PSB410/412B	12	24	34	2.6	3.2
	PSB412A	15	28	42	3.0	3.7
	PSB512A	18	33	48	3.3	4.4
	PSB615A	25	40	55	3.5	4.8
Douglas-fir, Interior (Fdi)	PSB309A	11	16	23	2.2	2.7
	PSB/PCT411B	12	18	25	2.3	3.0
	PSB/PCT410/412B	13	20	28	2.6	3.3
	PSB/PCT412A	15	24	34	3.0	3.6
	PSB/PCT512A	15	27	40	3.3	4.2
	PSB/PCT615A	15	30	44	3.5	4.6
Fir, Amabilis (Ba)	PSB410/412B	9	20	28	2.5	2.8
	PSB412A	11	22	32	2.7	3.2
	PSB512A	13	27	40	3.2	3.7

SEEDLING STOCK SPECIFICATIONS

Species	Stock Type	Height (cm)			R.C.D. (mm)	
		Cull	Target	Maximum ⁽²⁾	Cull	Target
Fir, Grand (Bg) Fir, Noble (Bp)	PSB410/412B	11	23	33	2.5	3.2
	PSB412A	14	26	35	3.0	3.7
Fir, Subalpine (Bl)	PSB313B/310B	7	12	22	2.0	2.5
	PSB410/411B/412B	7	17	27	2.3	2.8
	PSB412A	8	19	30	2.6	3.2
Hemlock, Mountain (Hm)	PSB410/412B	10	20	30	2.3	2.9
	PSB412A	15	23	35	2.5	3.1
Hemlock, Western (Hw)	PSB410/412B	10	17	25	2.2	2.8
	PSB412A	14	25	35	2.6	3.3
	PSB512A	15	29	40	3.0	3.6
Larch, Western (Lw), Larch, Siberian (Ls), Tamarack (Lt)	PSB313B, 411B	10	17	24	2.2	2.8
	PSB410/412B	12	20	28	2.5	3.0
	PSB412A	14	23	32	2.8	3.3
	PSB512A	15	27	40	3.2	3.7
Pine, Lodgepole (Pli) (Plc)* Pine, Ponderosa (Py) Pine, White (Pw)	PSB/PCT310C	6	10	16	1.9	2.3
	PSB/PCT309A	6	10	16	2.0	2.4
	PSB/PCT310B	6	10	16	2.1	2.5
	PSB/PCT411B	6	12	19	2.4	2.8
	PSB/PCT410/412B	7	13	20	2.6	3.2
	PSB/PCT412A	8	15	22	2.8	3.4
	PSB/PCT512A	9	16	24	3.1	3.7
Spruce, Black (Sb)	PSB412A	12	22	31	2.7	3.5
Spruce, Sitka and Crosses (Ss, Sxs)	PSB410/412B	12	19	25	2.4	3.0
	PSB412A	15	25	35	2.8	3.5
	PSB512A	18	32	45	3.3	4.3

Species	Stock Type	Height (cm)			R.C.D. (mm)	
		Cull	Target	Maximum	Cull	Target
Spruce, White/Engelmann & Crosses (Sx, Se, Sw, Sxw)*	PSB/PCT310B	11	17	24	2.3	2.9
	PSB/PCT411B	11	18	25	2.4	3.0
	PSB/PCT410	12	19	27	2.6	3.2
	PSB/PCT412B	12	20	28	2.7	3.3
	PSB/PCT412A	13	24	35	3.0	3.7
	PSB/PCT512A	14	27	40	3.3	4.2
	PSB/PCT515A	16	28	42	3.4	4.5
	PSB/PCT615A	20	35	50	3.8	4.8

*All 1+0 summer plant seedlings (seedlings lifted for immediate planting from June 1st through August 31st) and all 1+0 fall plant seedlings (seedlings lifted for immediate planting from September 1-30) will have Root Collar Diameter (RCD) cull and target specifications reduced by 0.2 mm to a minimum RCD of 2 mm.

Note:

- (1) These figures are all ABSOLUTE.
- (2) If stock is at or above maximum height, it may be accepted if it has an RCD equivalent to the target specifications.
- (3) If there is a discrepancy between these listings and the Schedule 'A' of the nursery contract, the Schedule 'A' will be deemed correct.

Stock Specifications for Container Seedlings (Age 2+0)

Species	Stock Type	Height (cm)			R.C.D. (mm)	
		Cull	Target	Maximum ⁽²⁾	Cull	Target
Cedar, Yellow (Yc)	PSB/CRC512A	20	35	45	3.7	4.6
	PSB/CRC615A	30	45	60	4.0	4.8
Fir, Amabilis (Ba)	PSB412A	14	26	38	3.5	4.5
	PSB615A	16	30	45	4.0	5.0
Fir, Grand (Bg)	PSB415D	20	35	50	4.0	4.6
Fir, Noble (Bp)	PSB615A	25	40	55	4.2	5.0
Fir, Subalpine (Bl)	PSB410/412B	8	19	30	3.0	4.0
	PSB412A	10	20	30	3.3	4.3
	PSB415D	10	23	36	3.8	5.0
Douglas-fir, Int (Fdi)	PSB512A	14	27	40	3.4	4.4
Pine, Lodgepole (Pli) (Plc), Pine, White (Pw)	PCT/PSB415B	12	25	35	3.6	4.8
	PCT/PSB412A	12	25	35	3.8	5.0
	PCT/PSB415D	14	25	35	4.0	5.3
	PCT/PSB512A	14	25	35	4.0	5.3
	PCT/PSB615A	14	25	36	4.3	5.6
Spruce, White/Engelmann And Crosses (Sx, Se, Sw)	PSB415B	14	27	40	3.6/4.0**	4.8/5.0**
	PSB412A	15	29	40	3.7/4.1**	4.9/5.3**
	PSB415D	16	30	44	4.0/4.4**	5.3/5.7**
	PSB512A	16	31	46	4.1/4.5**	5.4/5.8**
	PSB515A	17	32	47	4.2/4.6**	5.5/5.9**
	PSB615A	20	35	50	4.5/5.0**	6.0/6.5**
Spruce, Sitka and crosses (Sxs)	PSB412A	17	31	43	3.7/4.1**	4.9/5.3**

**The smaller number is the specification applied to stock lifted from June 1st to September 14th of the second year (2+0 SU). The larger number applies to stock lifted after September 14th (2+0 SP). 2+0 spring plant stocktypes are not recommended for spruce species.

Note:

(1) These figures are all ABSOLUTE.

(2) If stock is at or above maximum height, it may be accepted if it has an RCD equivalent to the target specifications.

(3) If there is a discrepancy between these listings and the Schedule 'A' of the nursery contract, the Schedule 'A' will be deemed correct.