Average Germination (GC), Seeds per Gram (SPG) and Yields by Species

Species		GC %	SPG	Yield (kg/hl)	Seeds Supplied Per Seedling	Estimated Potential Trees (K) per kg seed	Estimated Potential Trees (K) per hl cones
Lodgepole Pine - Int. - orchard	Pli	95	252	0.270	2.01	125.3	33.8
Lodgepole Pine - Interior		93	337	0.263	2.24	150.6	39.6
Spruce species - orchard	Sx	88	390	0.879	3.05	127.9	112.5
Spruce species		92	460	0.679	2.56	179.5	121.9
Douglas-fir Interior - orchard	Fdi	94	93	0.491	2.43	38.3	18.8
Douglas-fir Interior		92	100	0.823	2.56	39.1	32.2
Douglas-fir Coastal - orchard	Fdc	94	85	0.351	2.43	35.1	12.3
Douglas-fir Coastal		92	96	0.435	2.56	37.4	16.3
Western Redcedar - orchard	Cw	86	758	0.706	3.30	229.8	162.3
Western Redcedar		92	794	1.414	2.56	310.1	438.5
Western Larch - orchard	Lw	89	238	0.970	2.78	85.7	83.1
Western Larch		89	268	0.523	2.78	96.2	50.4
Western Hemlock - orchard	Hw	96	434	0.915	2.18	199.3	182.3
Western Hemlock		91	521	1.370	2.56	203.3	278.6
Yellow Cedar - orchard	Yc	7	238	0.336	10.00	23.8	8.0
Yellow Cedar		50	210	1.938	6.71	31.3	60.7
Sub-alpine Fir	Bl	69	84	1.787	4.81	17.4	31.1
Sitka Spruce - orchard	Ss	95	395	0.507	2.18	181.0	91.8
Sitka Spruce		93	428	0.495	2.43	176.3	87.2
Amabilis Fir	Ba	55	26	2.062	6.14	4.2	8.7
Yellow Pine - orchard	Py	82	19	1.507	3.68	5.2	7.8
Yellow Pine		86	19	1.617	3.30	5.6	9.1
Western White Pine - orchard	Pw	85	48	0.404	3.30	14.6	5.9
Western White Pine		82	58	0.501	3.68	15.6	7.8
Black Spruce	Sb	88	886	0.267	3.05	290.4	77.5
Red Alder	Dr	76	1,799	1.015	4.18	430.4	436.7
Mountain Hemlock	Hm	86	434	0.566	3.30	131.6	74.4
Paper Birch	Ep	72	2,880	0.786	4.56	631.5	496.1
Grand Fir	Bg	78	44	1.601	4.04	11.0	17.5
Sxs - orchard	Sxs	87	468	0.152	3.05	153.4	23.3
Sxs		89	418	0.873	2.78	150.4	131.3
Lodgepole Pine - Coastal	Plc	92	366	0.539	2.56	142.9	77.0
Trembling Aspen	At	81	7,554	0.269	3.68	2,052.6	552.8
Sitka Alder	Alnucri	63	2,220	0.565	5.34	415.8	234.9
Siberian Larch	Ls	56	84	0.403	6.14	13.7	5.5
Tamarack	Lt	92	646	1.003	2.56	252.3	253.1

Germination Capacity (GC) and Seed Yield (kg/hl) from TSC 5 Year Averages Table
Seeds per Gram (SPG) from information available 1987-2013
Seeds Supplied Per Seedling from Ministry of Forests & Range Sowing Guidelines (2007)
Potential trees per kg and hl cones calculated for a 415B stock type
More detailed information can be found on our webpage at http://www.for.gov.bc.ca/hti/treeseedcentre/tsc/yields.htm
Collection quality may vary from year to year, please refer to the 5 year averages table to view degree of variation between crop years for each species.

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