

SPU # 17 **Interior Lodgepole Pine** **Bulkley Valley** **700 - 1200m**

Seedling need (million): 17.1

Program category: Advanced-generation

filename: 17 Pli BV low July 1/08

STRATEGY Selection of parent trees in wild stands. Open-pollinated progeny tests on multiple sites. Selection for seed orchards of best parents and offspring, with a focus on stem volume and form. Second generation breeding will focus on volume and wood density.

TRAITS **Primary: Stem volume** **Secondary: Wood density**

TESTING AND PRODUCTION **Production Year (July 1 to June 30) -- (Cone harvest year shown)**

	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27
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Parents in progeny test:

Open pollin.	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295	295
Polycross																				
Clonal																				
F1	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)

219 VSOC (Vernon)	4.7	5.3	6.3	7.1	7.9	8.4	8.9	9.1	9.1	9.2	9.3	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5
228 MFR (PGTIS)	2.1	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	Retire orchard										
234 VSOC/SelectSeed	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.5	3.9	4.4	4.7	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2
240 Sorrento/Selectseed	0.1	0.4	0.6	1.0	1.4	1.8	2.1	2.6	3.0	3.5	3.9	4.4	4.7	5.0	5.2	5.3	5.4	5.4	5.4	5.4
230 MFR (Kalamalka)	2.6	2.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8										
2nd generation replacement										0	0	0	0.0	0.1	0.3	0.9	1.5	2.3	3.1	3.6

Vegetative prod.:
Phase 1
Phase 2

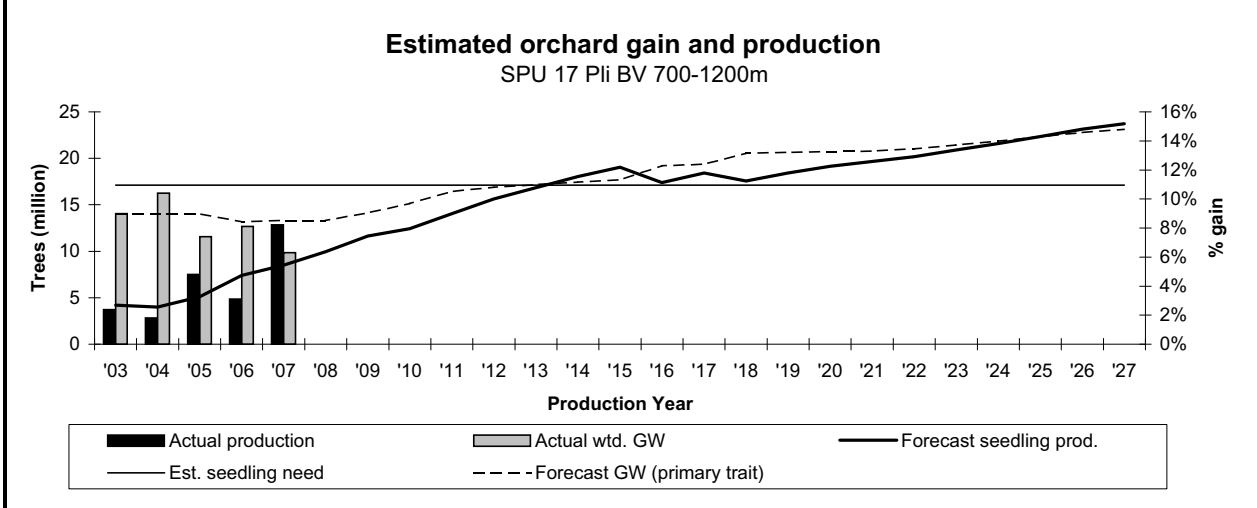
Estimated gain in primary trait

Orchards (#, owner)

219 VSOC (Vernon)	11%	11%	11%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%	12%
228 MFR (PGTIS)	6%	6%	6%	6%	6%	6%	6%	6%	6%											
234 VSOC/SelectSeed	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%
240 Sorrento/Selectseed	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
230 MFR (Kalamalka)	5%	6%	6%	6%	6%	6%	6%	6%	6%	6%										
2nd generation replacement										23%	23%	23%	23%	23%	23%	23%	23%	23%	23%	23%

Vegetative prod.:
Phase 1
Phase 2

Total Production	10.0	11.6	12.4	14.1	15.6	16.8	18.0	19.0	17.4	18.4	17.6	18.4	19.1	19.7	20.2	20.9	21.6	22.4	23.2	23.7
Total gain	9%	9%	10%	11%	11%	11%	11%	11%	12%	12%	13%	13%	13%	13%	13%	14%	14%	14%	15%	15%



Seed production estimates are subject to change. When using this information for silviculture planning or timber supply analysis, contact the Tree Improvement Branch of the Ministry of Forests and Range to confirm data. See SeedMap on www.for.gov.bc.ca/hti/seedmap for current inventory by Seed Planning Unit

