

SPU # 18 Interior Lodgepole Pine Central Plateau 700-1100m
 Breeding and orchard production
Seedling need (million): 7.3
 Program category: Advanced-generation
 filename: 18 Pli CP 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
Parents in progeny test:																				
Open pollin.	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277
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)	Orchard retired																			
201 MFR (PGTIS) (+202)																				
218 VSOC	2.7	3.1	3.7	4.2	5.0	5.6	6.2	6.7	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
223 MFR (PGTIS)	1.3	1.4	1.5	1.6	1.6	1.6	1.6	1.6												
238 KRISO/SelectSeed	0.2	0.5	0.9	1.4	1.8	2.2	2.5	2.9	3.3	3.9	4.4	4.8	5.1	5.3	5.4	5.4	5.4	5.4	5.4	5.4
241 Sorrento/SelectSeed	0.1	0.4	0.6	0.9	1.2	1.4	1.6	1.9	2.2	2.6	2.9	3.2	3.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5

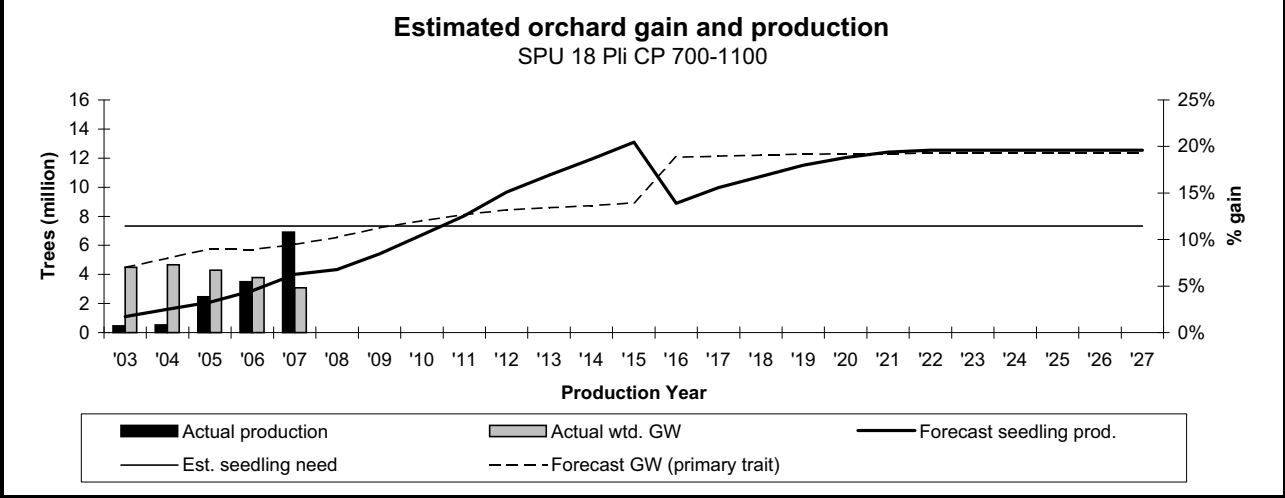
Vegetative prod.:
 Phase 1
 Phase 2

Estimated gain in primary trait

Orchards (#, owner)	Orchard retired																			
201 MFR (PGTIS) (+202)																				
218 VSOC	11%	11%	11%	11%	11%	11%	11%	11%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%
223 MFR (PGTIS)	6%	6%	6%	6%	6%	6%	6%	6%	6%											
238 KRISO/SelectSeed	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%
241 Sorrento/SelectSeed	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%

Vegetative prod.:
 Phase 1
 Phase 2

Total Production	4.3	5.4	6.7	8.0	9.7	10.8	11.9	13.1	8.9	10.0	10.7	11.5	12.0	12.4	12.5	12.5	12.5	12.5	12.5	12.5
Total gain	10%	11%	12%	13%	13%	13%	14%	14%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%	19%



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

