

SPU # 16

Interior Lodgepole Pine

Thompson/Okanagan

1400 - 1600m

Seedling need (million): 11.8

Program Category: First-generation

filename: 16 Pli TO high Aug 31/10

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. No second generation breeding planned.

TRAITS

Primary: Stem volume Secondary: Wood density

TESTING AND PRODUCTION

Production Year (July 1 to June 30) -- (Cone harvest year shown)

Parents in progeny test:

	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
Open pollin.	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	277	278	279	280
Polycross																				
Clonal																				
F1																				
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
310 Tolko (Eagle Rk)	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6											
339 Tolko/SelectSeed	1.1	1.6	2.3	2.7	3.2	3.7	4.6	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3

Vegetative prod.:

Phase 1
Phase 2

Estimated gain in primary trait

Orchards (#, owner)	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
310 Tolko (Eagle Rk)	10%	12%	12%	12%	12%	12%	12%	12%	12%											
339 Tolko/SelectSeed	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%

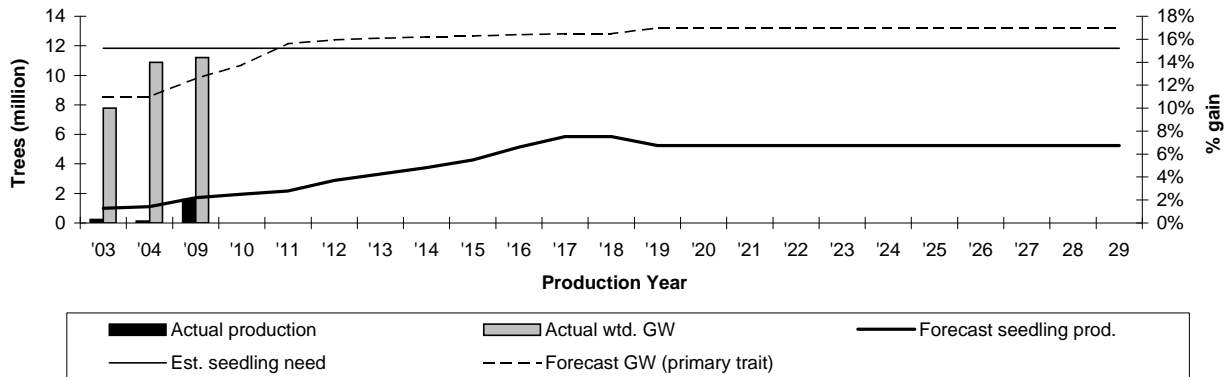
Vegetative prod.:

Phase 1
Phase 2

Total Production	1.9	2.2	2.9	3.3	3.7	4.3	5.1	5.8	5.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Total gain	14%	16%	16%	16%	16%	16%	16%	16%	16%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%

Estimated orchard gain and production

SPU 16 Pli TO 1400-1600m



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

