

SPU # 34	Western Larch	East Kootenay	800 - 1700m
Breeding and Orchard Production			Seedling need (million): 4.0
Adjusted for new Parent Tree Area of use. Previously 800-1500m			
Program category: Advanced-generation			filename: 34 Lw EK all Sept 2017.xlsx

STRATEGY Parent tree selection in wild stands; open-pollinated progeny tests. Selection of best parents for seed orchards. Open-pollinated seed production in orchards. Focus on volume while maintaining wood relative density (RD).

TRAITS	Primary:	Stem volume	Secondary:	Wood density
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TESTING AND PRODUCTION	Crop production year (July 1 to June 30) -- (Cone harvest year shown)																			
	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36

Parents in progeny test:																				
Open pollin.	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264
Polycross																				
Clonal																				
F1	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
F2																				
F3																				

Production forecast (million plantables)

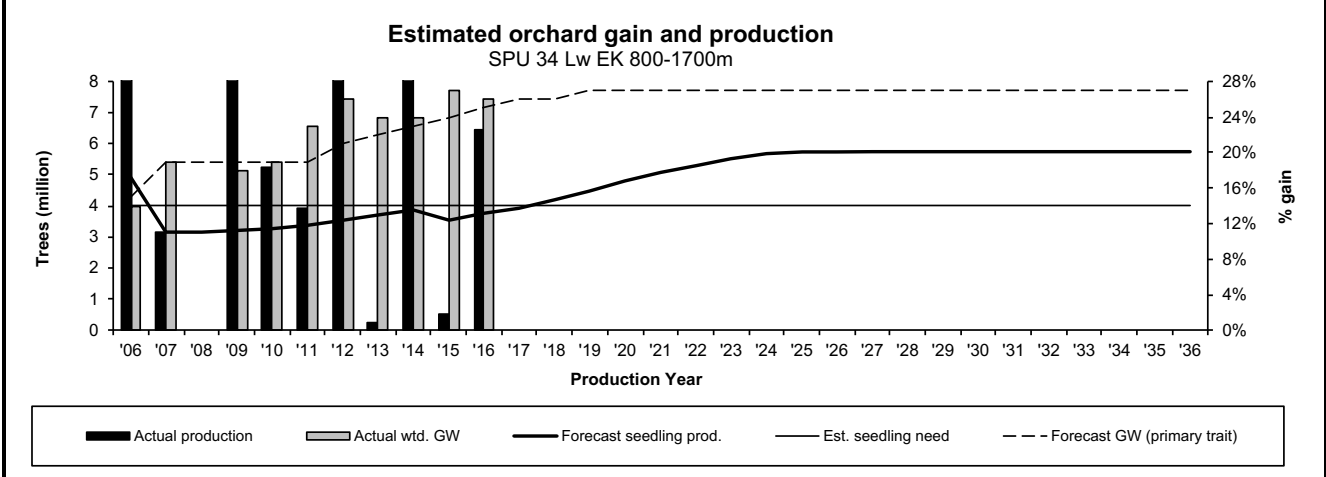
Orchards (#, owner)																				
333 FLNRO (Kalamalka)	3.9	4.2	4.5	4.8	5.1	5.3	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

Vegetative prod.:
Phase 1
Phase 2
Estimated gain in primary trait

Orchards																				
333 FLNRO (Kalamalka)	26%	26%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%

Vegetative prod.:
Phase 1
Phase 2

Total Production	3.9	4.2	4.5	4.8	5.1	5.3	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Total gain	26%	26%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%	27%



The above forecasts are based on orchard status, seed inventories and seed use as of June, the year of publication, and are subject to change. Refer to the seed Planning and Registry System (SPAR) or contact the orchard manager for current seed inventories. Contact the Forest Improvement and Research Mgt. Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development, to confirm data if used for silviculture or timber-supply planning.

