

SPU # 34 **Western Larch** **East Kootenay** **800 - 1700m**
Breeding and Orchard Production
 Adjusted for new Parent Tree Area of use. Previously 800-1500m **Seedling need (million): 3.0**
Program category: Advanced-generation filename: 34 Lw EK all July 12, 2015

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**

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

	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
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)	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
333 FLNRO (Kalamalka)	4.1	4.3	4.5	4.7	4.9	5.2	5.5	5.8	6.0	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

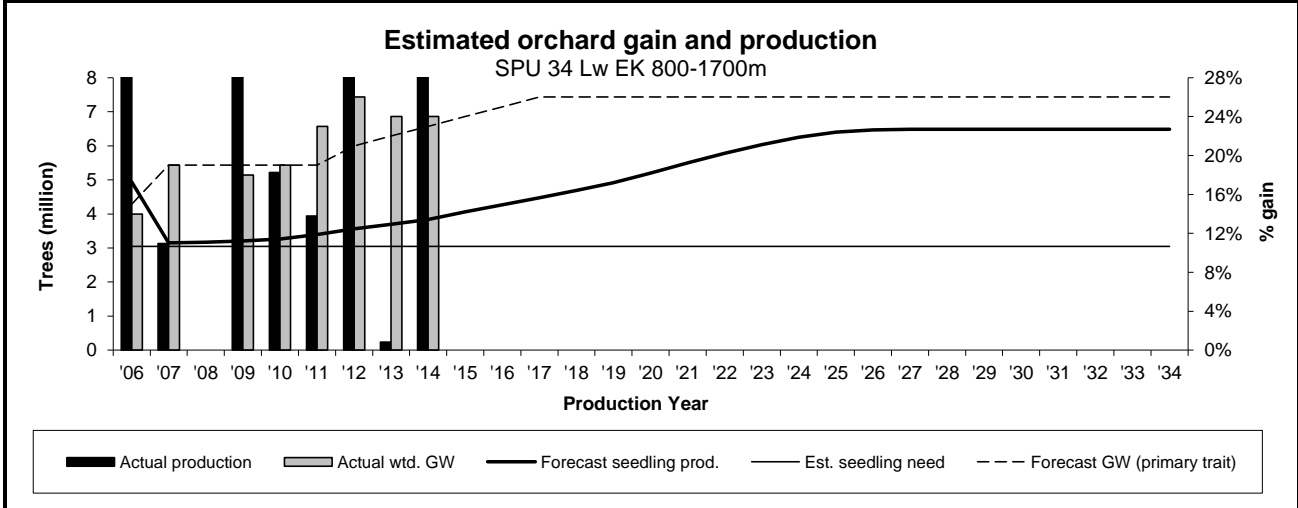
Vegetative prod.:
 Phase 1
 Phase 2
 Estimated gain in primary trait

Orchards

333 FLNRO (Kalamalka)	24%	25%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%
-----------------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Vegetative prod.:
 Phase 1
 Phase 2

Total Production	4.1	4.3	4.5	4.7	4.9	5.2	5.5	5.8	6.0	6.3	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Total gain	24%	25%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%



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 Lands and Natural Resource Operations to confirm data. See SeedMap on www.for.gov.bc.ca/hti/seedmap for current inventory by Seed Planning Unit

