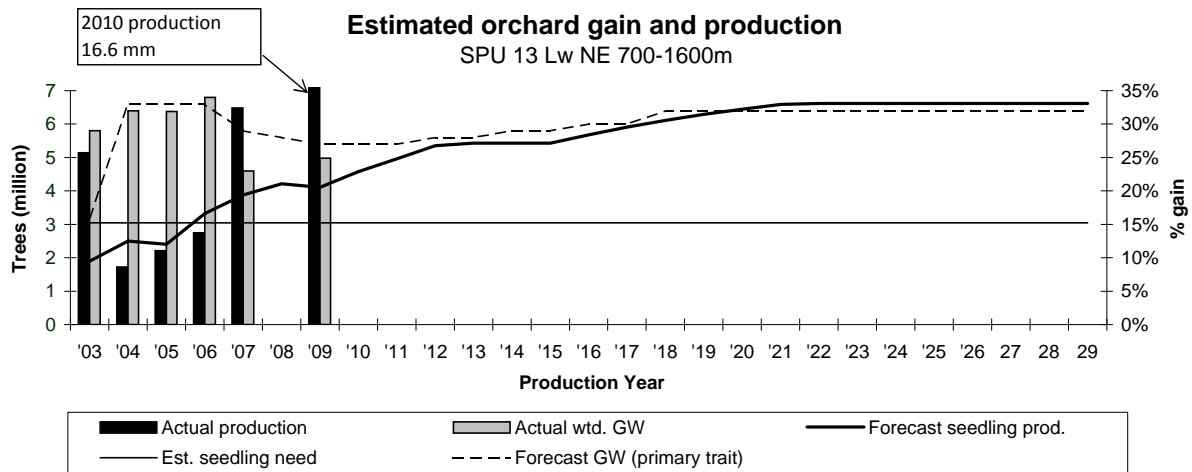


SPU # 13	Western Larch Nelson 700 - 1600m																			
Breeding and orchard production																				
Adjusted for new Parent Tree Area of use. Previously 700-1400m		Seedling need (million): 3.0																		
Program category: Advanced-generation																				
filename: 13 Lw NE low Aug 31/10																				
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	Production Year (July 1 to June 30) -- (Cone harvest year shown)																			
	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
Parents in progeny test:																				
Open pollin.	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357
Polycross																				
Clonal																				
F1 (144 FS families)	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)																				
332 MFR (Kalamalka)	4.6	5.0	5.4	5.4	5.4	5.4	5.7	5.9	6.1	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Vegetative prod.:																				
Phase 1																				
Phase 2																				
Estimated gain in primary trait																				
Orchards (#, owner)																				
332 MFR (Kalamalka)	27%	27%	28%	28%	29%	29%	30%	30%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%
Vegetative prod.:																				
Phase 1																				
Phase 2																				
Total Production	4.6	5.0	5.4	5.4	5.4	5.4	5.7	5.9	6.1	6.3	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Total gain	27%	27%	28%	28%	29%	29%	30%	30%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%



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

