

SPU # 22	Interior Douglas Fir	Nelson	1000 - 1600m
Breeding and orchard production			Seedling need (million): 3.2
Program category: First-generation			
filename: 22 Fdi NE high July 1/08			

STRATEGY Parent-tree selections from wild stands tested in open-pollinated progeny tests. Best parents selected for seed orchard development. Focus on stem volume while maintaining wood density. Tests in this zone are merged from the old West Kootenay, Shuswap Adams, and Mica zones. 2nd generation breeding.

TRAITS Primary: **Stem volume** Secondary: **Wood density, Armillaria resistance**

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.	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208
Polycross																				
Clonal																				
F1				100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27
324 MoFR (Kalamalka)	0.6	0.9	1.2	1.5	1.9	2.4	2.8	3.1	3.5	3.9	4.3	4.5	4.6	4.7	4.8	5.0	5.0	5.0	5.0	5.0

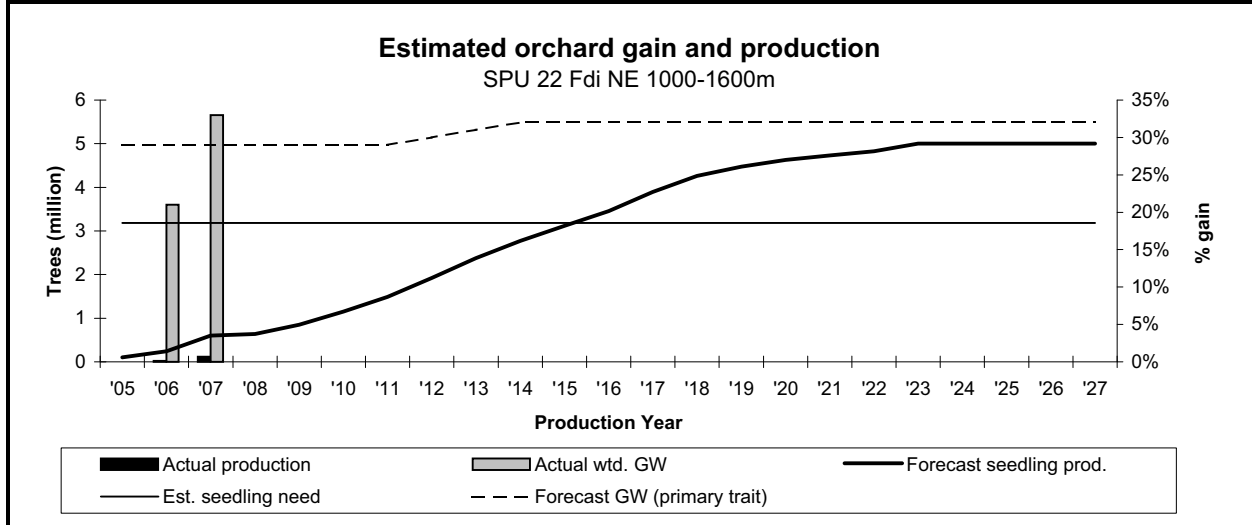
Vegetative prod.:
Phase 1
Phase 2

Estimated gain in primary trait

Orchards (#, owner)	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27
324 MoFR (Kalamalka)	29%	29%	29%	29%	30%	31%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%

Vegetative prod.:
Phase 1
Phase 2

Total Production	0.6	0.9	1.2	1.5	1.9	2.4	2.8	3.1	3.5	3.9	4.3	4.5	4.6	4.7	4.8	5.0	5.0	5.0	5.0	5.0
Total gain	29%	29%	29%	29%	30%	31%	32%	32%	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

