

<b>SPU # 22</b>	<b>Interior Douglas Fir</b>	<b>Nelson</b>	<b>1000 - 1800m</b>
<b>Program category: First-generation</b>		<b>Breeding and orchard production</b>	<b>Note overlap with SPU 21</b>
Adjusted for new Parent Tree Area of use. Previously 1000-1600m		<b>Seedling need (million): 2.2</b>	
filename: 22 Fdi NE high July 12, 2015			

**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)

	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
<b>Parents in progeny test:</b>																				
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	100	100	100
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
324 FLNRO (Kalamalka)	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6

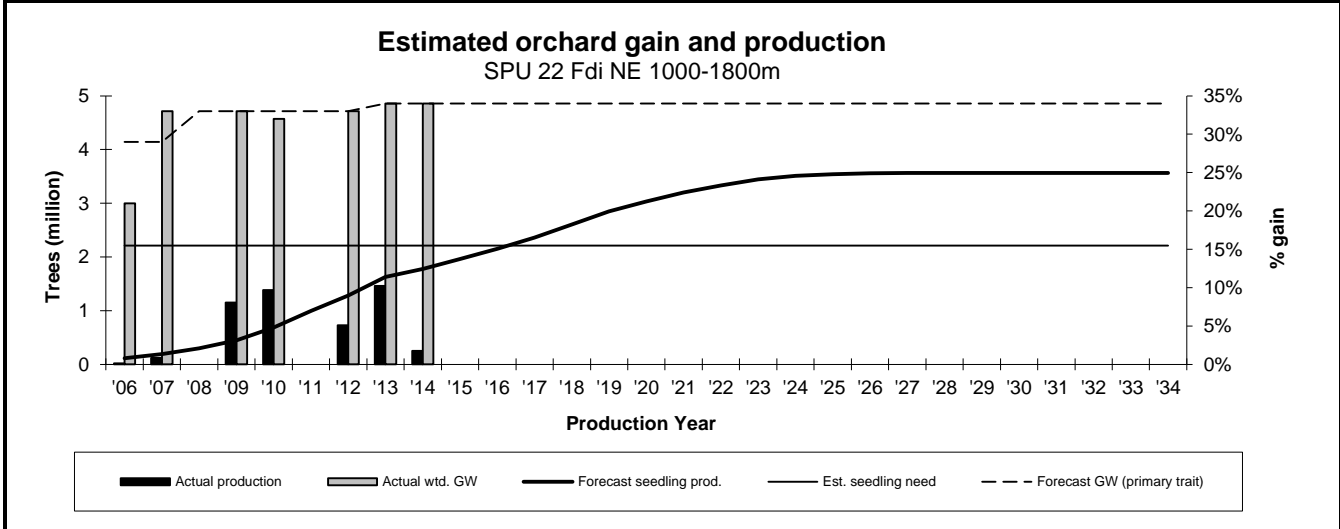
**Vegetative prod.:**  
Phase 1  
Phase 2

**Estimated gain in primary trait**

Orchards (#, owner)	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
324 FLNRO (Kalamalka)	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%

**Vegetative prod.:**  
Phase 1  
Phase 2

<b>Total Production</b>	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
<b>Total gain</b>	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%	34%



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](http://www.for.gov.bc.ca/hti/seedmap) for current inventory by Seed Planning Unit

