

SPU # 21	Interior Douglas Nelson	400 - 1200m
Breeding and orchard production		
Adjusted for new Parent Tree Area of use. Previously 400-1000m		
Program category: Advanced generation		Seedling need (million): 2.4
		Note overlap with SPU 22
		filename: 21 Fdi NE low Aug 31/10

STRATEGY Parent-tree selections from wild stands tested in open-pollinated progeny tests. Best parents selected for seed orchard development. Some material from the sub-maritime zone in test. 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)

	'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.	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541	541
Polycross																				
Clonal																				
F1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
321 PRT/SelectSeed	1.3	1.6	1.9	2.3	2.6	3.0	3.3	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7

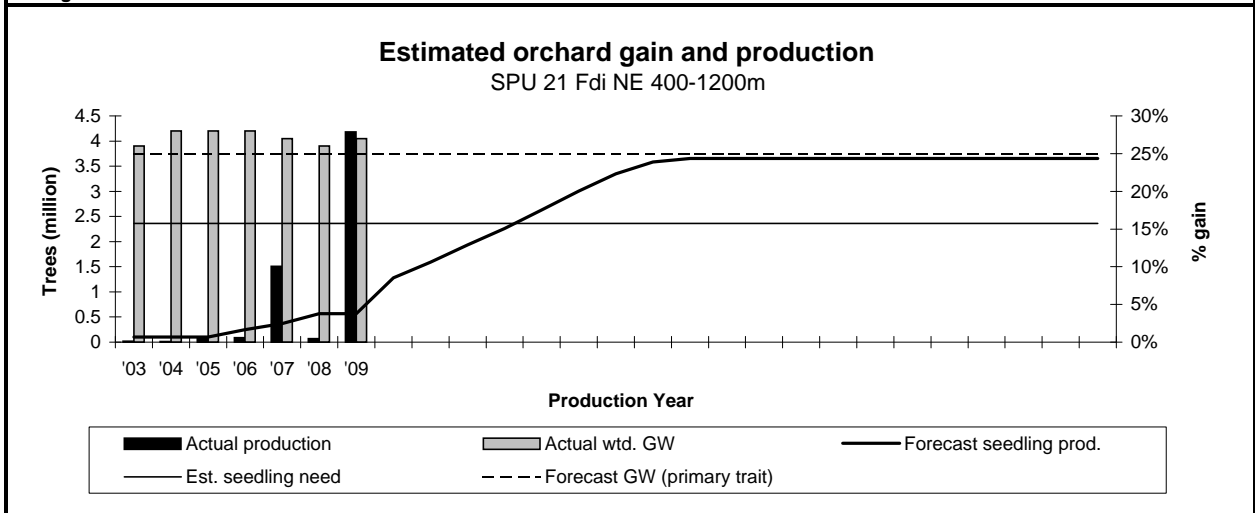
Vegetative prod.:
Phase 1
Phase 2

Estimated gain in primary trait

Orchards (#, owner)	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29
321 PRT/SelectSeed	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%

Vegetative prod.:
Phase 1
Phase 2

Total Production	1.3	1.6	1.9	2.3	2.6	3.0	3.3	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
Total gain	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%



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

