

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): 4.0	
		Note overlap with SPU 22	
filename: 21 Fdi NE low Sept 2017.xlsx			

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, <i>Armillaria</i> resistance
---------------	-----------------	--------------------	-------------------	---

TESTING AND PRODUCTION	Production Year (July 1 to June 30) -- (Cone harvest year shown)																			
	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36

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																				

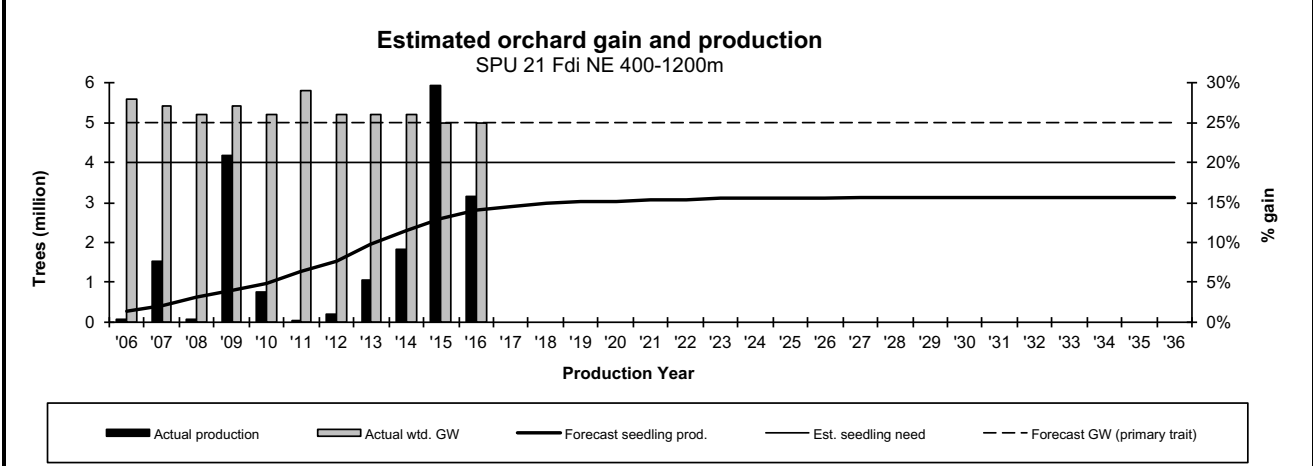
Production forecast (million plantables)																				
Orchards (#, owner)																				
321 PRT/SelectSeed	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1

Vegetative prod.:
Phase 1
Phase 2

Estimated gain in primary trait																				
Orchards (#, owner)																				
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	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Total gain	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%



The above forecasts are based on orchard status, seed inventories and seed use as of June, the year of publication, and are subject to change. Refer to the seed Planning and Registry System (SPAR) or contact the orchard manager for current seed inventories. Contact the Forest Improvement and Research Mgt. Branch, Ministry of Forests, Lands, Natural Resource Operations and Rural Development, to confirm data if used for silviculture or timber-supply planning.

