

SPU # 20	Interior Lodgepole Pine	Nelson	1600-2000m
Breeding and orchard production			
Program category: First-generation			Seedling need (million): 1.3
filename: 20 Pli NE HIGH Sept 2017.xlsx			

STRATEGY Use OP tests for SPU# 7 (NE Low) to select best families with origins from high elevation stands to include in seed orchards. High-elevation second-gen tests for SPU #7 will be a source of material for this SPU.

TRAITS	Primary: Stem volume	Secondary: Wood density
---------------	-----------------------------	--------------------------------

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.	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
Polycross																				
Clonal																				
F1	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)																				
349 FLNRO (Skimikin)	0.7	0.9	1.2	1.5	1.8	2.1	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6

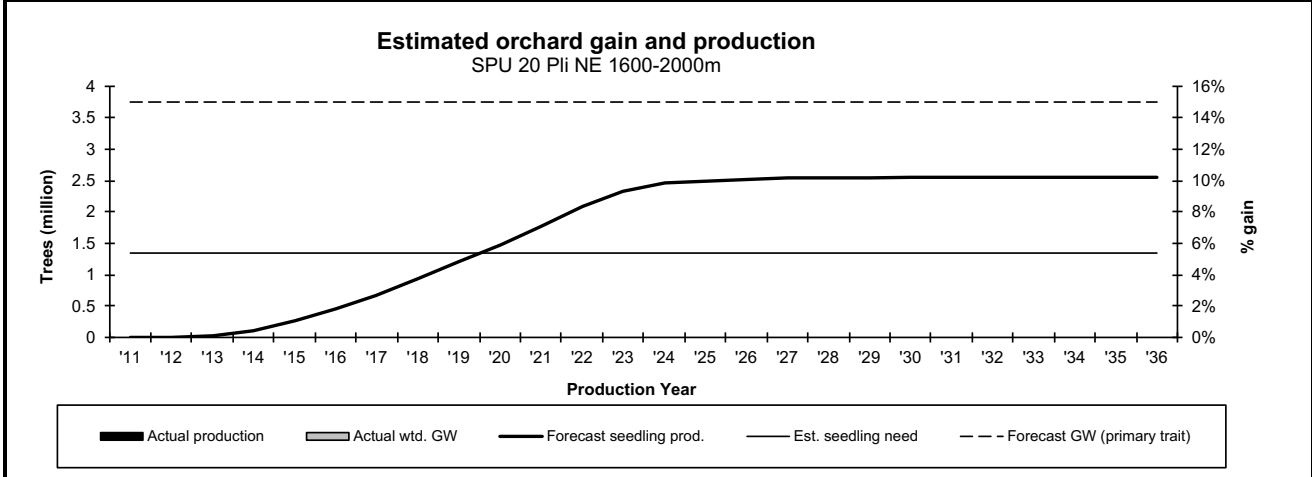
Vegetative prod.:
Phase 1
Phase 2

Estimated gain in primary trait

Orchards (#, owner)																				
349 FLNRO (Skimikin)	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%

Vegetative prod.:
Phase 1
Phase 2

Total Production	0.7	0.9	1.2	1.5	1.8	2.1	2.3	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Total gain	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%



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.

