

SPU # 51	Ponderosa Pine	Southern Interior	300 - 1000
Breeding and orchard production			Seedling need (million): 0.7
Program category: first-generation			
filename: 51 Py S1 all Sept 2017.xlsx			

STRATEGY Provenance testing of 41 US and 32 BC sources. Selection of best trees within best provenances for seed orchard. Establish clone bank and OP tests with seed from Skimikin provenance test site.

TRAITS	Primary:	Stem volume	Secondary:	Stem form
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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:																			
Provenances in test	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
OP families in provenance test								150	150	150	150	150	150	150	150	150	150	150	150
Polycross																			
Clonal																			
F1 (144 Full-sib families)																			
F2																			

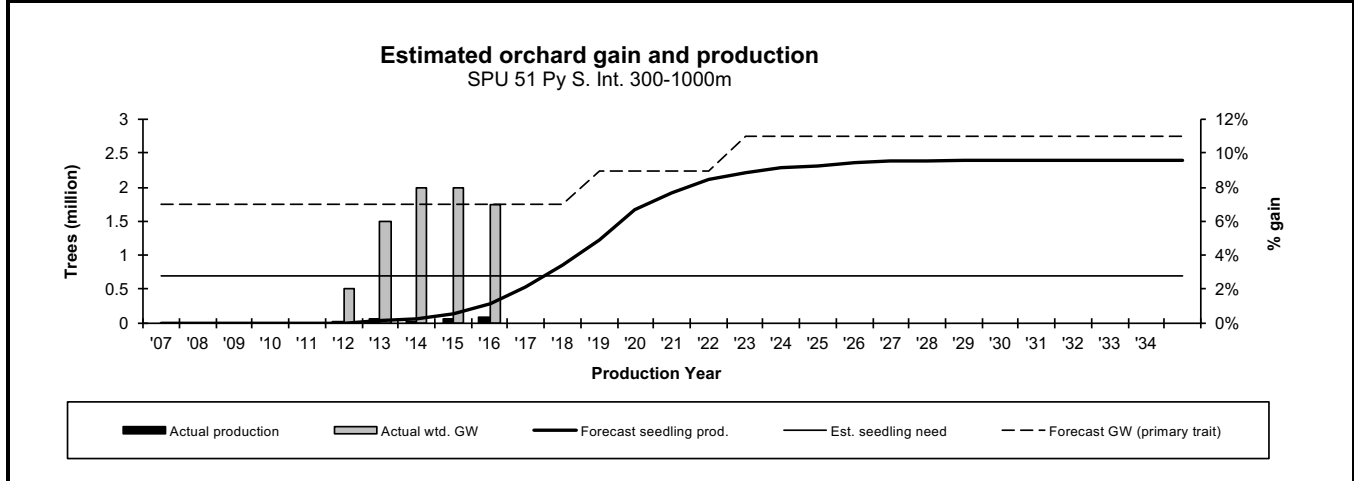
Production forecast (million plantables)																			
Orchards (#, owner)																			
346 FLNRO (Bailey Rd.)	0.5	0.9	1.2	1.7	1.9	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
345 FLNRO (Skimikin)	0.0																		

Vegetative prod.:
Phase 1
Phase 2

Estimated gain in primary trait																			
Orchards (#, owner)																			
346 FLNRO (Bailey Rd.)	9%	9%	9%	9%	9%	9%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%
345 FLNRO (Skimikin)	7%																		

Vegetative prod.:
Phase 1
Phase 2

Total Production	0.5	0.9	1.2	1.7	1.9	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Total gain	7%	7%	9%	9%	9%	9%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%



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.

