

SPU # 52	Douglas-fir	Thompson Okanagan	600 - 1099
		Breeding and orchard production	
		Adjusted for new Parent Tree Area of use. Previously 1300-1850m	Seedling need (million): 1.3
Program category: First generation only			filename: 52 Fdi TO low Sept 2017.xlsx

STRATEGY Parent-tree selection in wild stands. Open-pollinated testing of parent trees. Some testing out of zone with climate modelling used to determine parent suitability withing the seed planning unit.

TRAITS Primary: Stem volume Secondary: Wood density, weevil

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.																				
Polycross																				
Clonal																				
F1																				
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36
355 FLNRO (Kalamalka)	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8	1.9	1.9	1.9	1.9

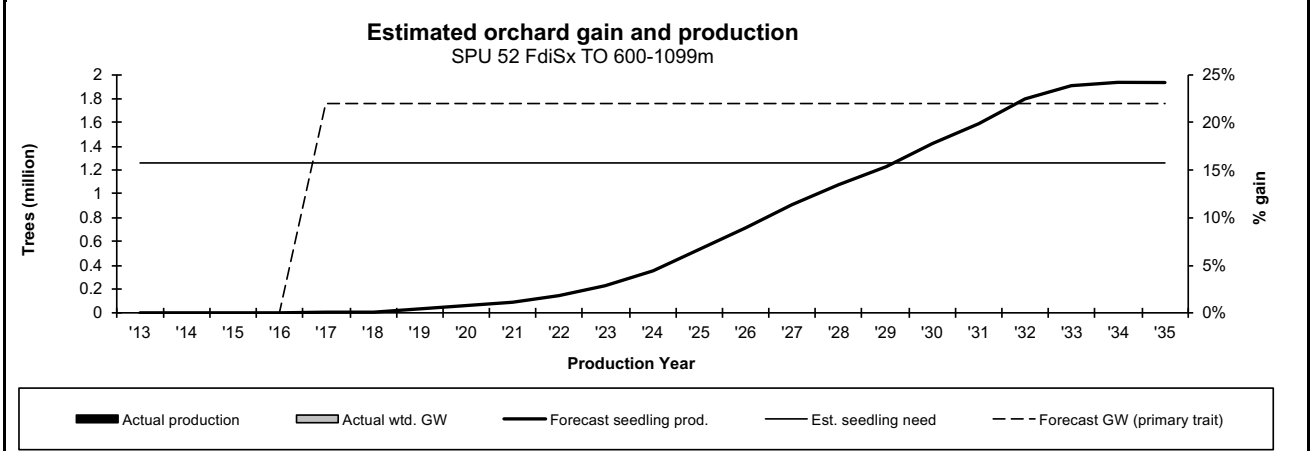
Vegetative prod.:
Phase 1
Phase 2

Estimated gain in primary trait

Orchards (#, owner)	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36
355 FLNRO (Kalamalka)	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	122%

Vegetative prod.:
Phase 1
Phase 2

Total Production	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36
	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8	1.9	1.9	1.9	1.9
Total gain	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	22%	122%



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.

