

<b>SPU # 39</b>	<b>Interior Douglas-fir</b>	<b>East Kootenay</b>	<b>700 - 1400m</b>
<b>Breeding and Orchard Production</b>			<b>Seedling need (million): 0.9</b>
<b>Program category: First-generation</b>			
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**STRATEGY** Parent-tree selection in wild stands. Progeny testing of selected parents using open-pollinated seed. Focus on setm volume while maintaining wood density.

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

**TESTING AND PRODUCTION** Production Year (July 1 to June 30) -- (Cone harvest year shown)

Parents in progeny test:	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36
Open pollin.	198	198	198	198	198	198	198	198	198	198	198	199	199	199	199	199	199	199	199	200
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
336 FLNRO Bailey	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

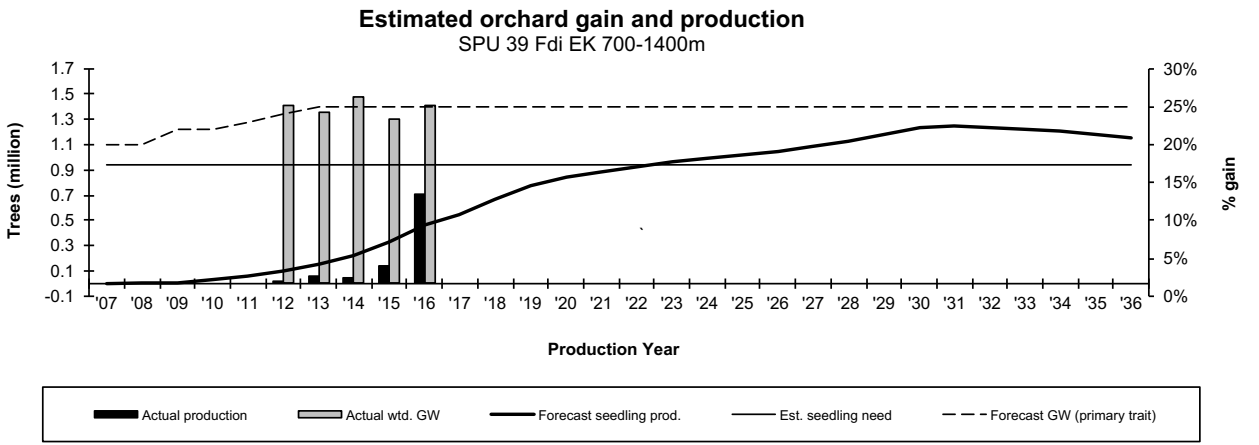
Vegetative prod.:  
Phase 1  
Phase 2

**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
336 FLNRO Bailey	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

<b>Total Production</b>	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<b>Total gain</b>	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.

