

<b>SPU # 28</b>	<b>Interior Spruce</b>	<b>Thompson Okanagan</b>	<b>1300-2100m</b>
<b>Breeding and orchard production</b>			
Adjusted for new Parent Tree Area of use. Previously 1300-1850m			<b>Seedling need (million): 5.5</b>
<b>Program category: Advanced-generation</b>			
filename: 28 Sx TO high Sept 2017.xlsx			

**STRATEGY** Parent-tree selection in wild stands. Polycross progeny tests of selected parents. Focus on stem volume, wood density, and weevil resistance. First-generation seed orchards established from best parents.

<b>TRAITS</b>	<b>Primary:</b>	<b>Stem volume</b>	<b>Secondary:</b>	<b>Wood density, weevil</b>
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<b>TESTING AND PRODUCTION</b>	<b>Production Year (July 1 to June 30) -- (Cone harvest year shown)</b>																			
	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36

<b>Parents in progeny test:</b>																				
Open pollin.																				
Polycross	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
Clonal																				
F1	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
F2																				
F3																				

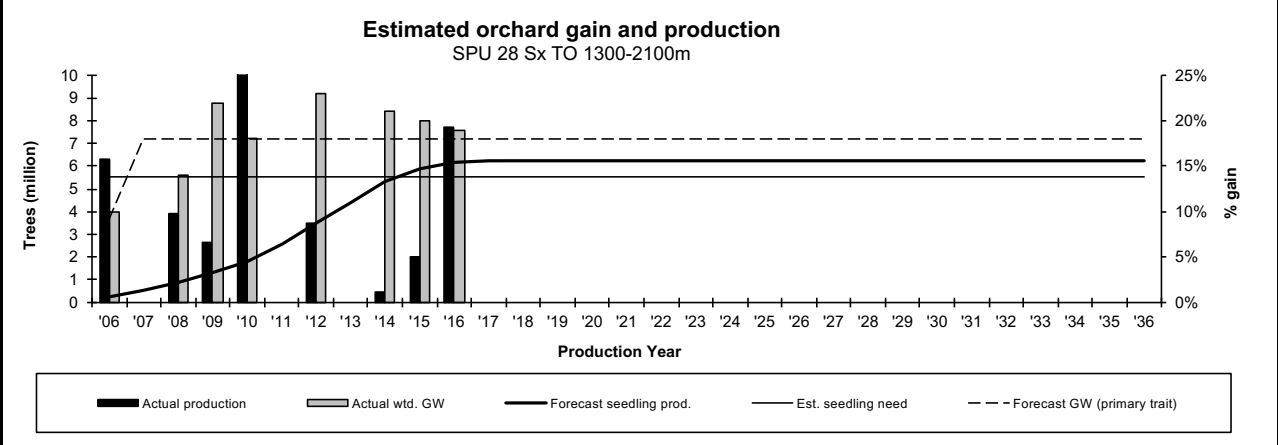
<b>Production forecast (million plantables)</b>																				
<b>Orchards (#, owner)</b>																				
303 Tolko Ltd.	Orchard retired																			
343 Tolko / SelectSeed	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2

**Vegetative prod.:**  
Phase 1  
Phase 2

<b>Estimated gain in primary trait</b>																				
<b>Orchards (#, owner)</b>																				
303 Tolko Ltd.																				
343 Tolko / SelectSeed	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%

**Vegetative prod.:**  
Phase 1  
Phase 2

<b>Total Production</b>	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
<b>Total gain</b>	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%



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.

