

<b>SPU # 30</b>	<b>Interior Spruce</b>	<b>Thompson Okanagan</b>	<b>700 - 1500m</b>
<b>Breeding and orchard production</b>			
Adjusted for new Parent Tree Area of use. Previously 700-1300m			<b>Seedling need (million): 2.3</b>
<b>Program category: First-generation</b>			
filename: 30 Sx TO low Sept 2017.xlsx			

**STRATEGY** Selection of parent trees from wild stands. Polycross testing of selected parents on multiple test sites. Focus on stem volume, wood density, and weevil resistance. First-generation seed orchards established from selected parents.

<b>TRAITS</b>	<b>Primary:</b>	<b>Stem volume</b>	<b>Secondary:</b>	<b>Wood density, weevil resistance</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																				
Clonal																				
F1	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
F2																				
F3																				

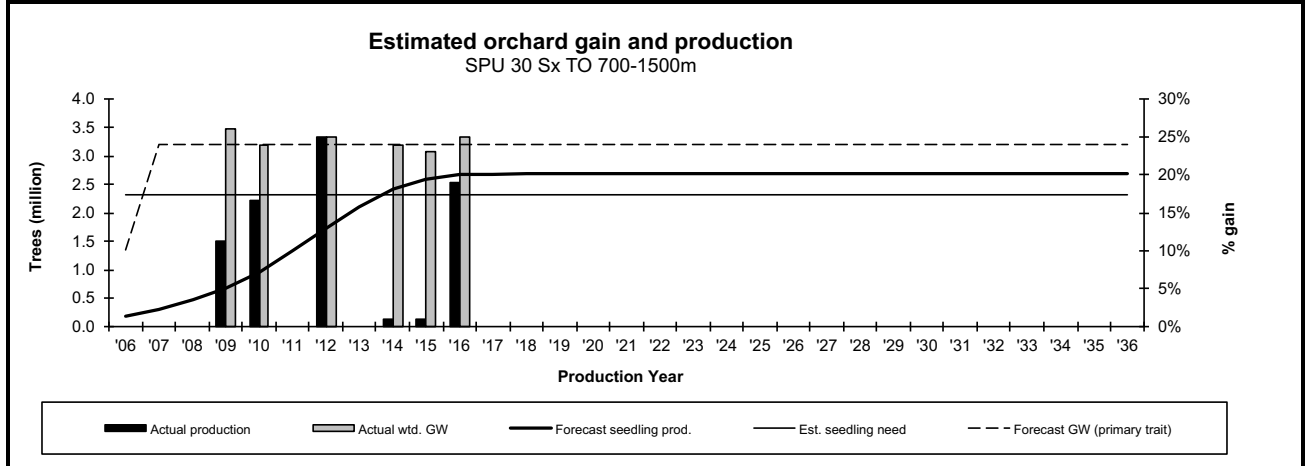
<b>Production forecast (million plantables)</b>																				
Orchards (#, owner)																				
342 Tolko / SelectSeed	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7

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

<b>Estimated gain in primary trait</b>																				
Orchards (#, owner)																				
342 Tolko / SelectSeed	0	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%

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

<b>Total Production</b>	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
<b>Total gain</b>	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%



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.

