

SPU # 30	Interior Spruce	Thompson Okanagan	700 - 1500m																	
Breeding and orchard production																				
Adjusted for new Parent Tree Area of use. Previously 700-1300m																				
Program category: First-generation			Seedling need (million): 1.9																	
filename: 30 Sx TO low July 12, 2015																				
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.																			
TRAITS	Primary: Stem volume	Secondary: Wood density, weevil resistance																		
TESTING AND PRODUCTION	Production Year (July 1 to June 30) -- (Cone harvest year shown)																			
	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
Parents in progeny test:																				
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																				
Production forecast (million plantables)																				
Orchards (#, owner)																				
342 Tolko / SelectSeed	2.6	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																				
Estimated gain in primary trait																				
Orchards (#, owner)																				
Orchard retired																				
342 Tolko / SelectSeed	24%	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																				
Total Production	2.6	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
Total gain	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%	24%
Estimated orchard gain and production SPU 30 Sx TO 700-1500m																				
 Actual production Actual wtd. GW Forecast seedling prod. Est. seedling need Forecast GW (primary trait)																				
Seed production estimates are subject to change. When using this information for silviculture planning or timber supply analysis, contact the Tree Improvement Branch of the Ministry of Forests Lands and Natural Resource Operations to confirm data.																				
See SeedMap on www.for.gov.bc.ca/hti/seedmap for current inventory by Seed Planning Unit																				

