

SPU # 28	Interior Spruce	Thompson Okanagan	1300-2100m																	
Breeding and orchard production																				
Adjusted for new Parent Tree Area of use. Previously 1300-1850m																				
Program category: Advanced-generation			Seedling need (million): 5.7																	
filename: 28 Sx TO high July 12, 2015																				
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.																			
TRAITS	Primary: Stem volume	Secondary: Wood density, weevil																		
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	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																				
Production forecast (million plantables)																				
Orchards (#, owner)																				
303 Tolko Ltd.	Orchard retired																			
343 Tolko / SelectSeed	5.9	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vegetative prod.:																				
Phase 1																				
Phase 2																				
Estimated gain in primary trait																				
Orchards (#, owner)																				
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																				
Total Production	5.9	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Total gain	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
Estimated orchard gain and production SPU 28 Sx TO 1300-2100m																				
<p>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</p>																				

