

SPU # 39

Interior Douglas-fir

East Kootenay

700 - 1400m

Breeding and Orchard Production

Seedling need (million): 0.7

Program category: First-generation

filename: 39 Fdi EK all July 12, 2015

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:

	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
Open pollin.	198	198	198	198	198	198	198	198	198	198	198	198	198	199	199	199	199	199	199	199
Polycross																				
Clonal																				
F1																				
F2																				
F3																				

Production forecast (million plantables)

Orchards (#, owner)	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
FLNRO Kalamalka (336)	0.3	0.5	0.6	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

Vegetative prod.:

Phase 1

Phase 2

Estimated gain in primary trait

Orchards (#, owner)	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	'32	'33	'34
FLNRO Kalamalka (336)	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%

Vegetative prod.:

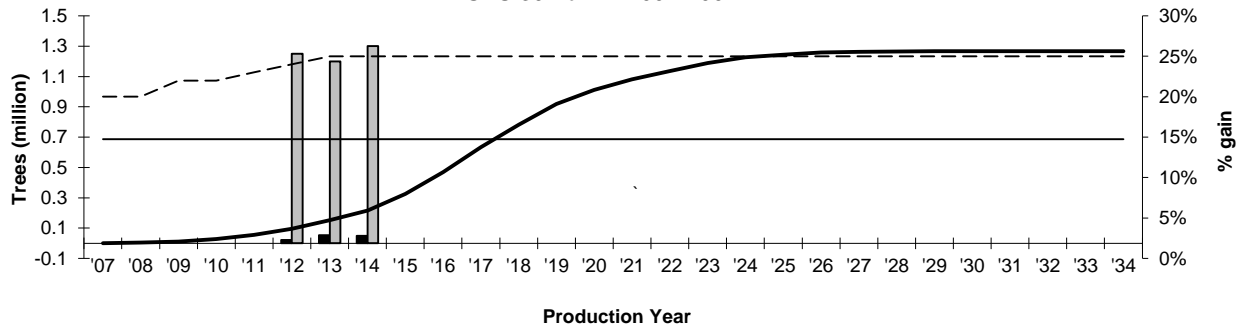
Phase 1

Phase 2

Total Production	0.3	0.5	0.6	0.8	0.9	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Total gain	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%

Estimated orchard gain and production

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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

