

SPU # 3

Western Hemlock Maritime 1 - 600m

Breeding and orchard production

Seedling need (million): 0.9

Program category: Advanced-generation

* Includes Georgia Lowlands (GL)

filename: 3 Hw M low July 12, 2015

STRATEGY

First generation open-pollinated and polycross testing. Selection of best parents from all BC tests and from US OP tests for second-generation population and for further breeding. Open-pollinated orchard seed production.

TRAITS

Primary: Stem volume Secondary: Stem form, wood quality

TESTING AND PRODUCTION

Crop 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.	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Polycross	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
Clonal																				
F1	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
Elite F1's	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
F2 - selections				150	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300

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
170 WFP (SFC)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
182 TW (Mt Newton)	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

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
170 WFP (SFC)	17%	17%	17%	17%	17%	17%	17%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%	18%
182 TW (Mt Newton)	15%	15%	15%	15%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%

Vegetative prod.:

Phase 1

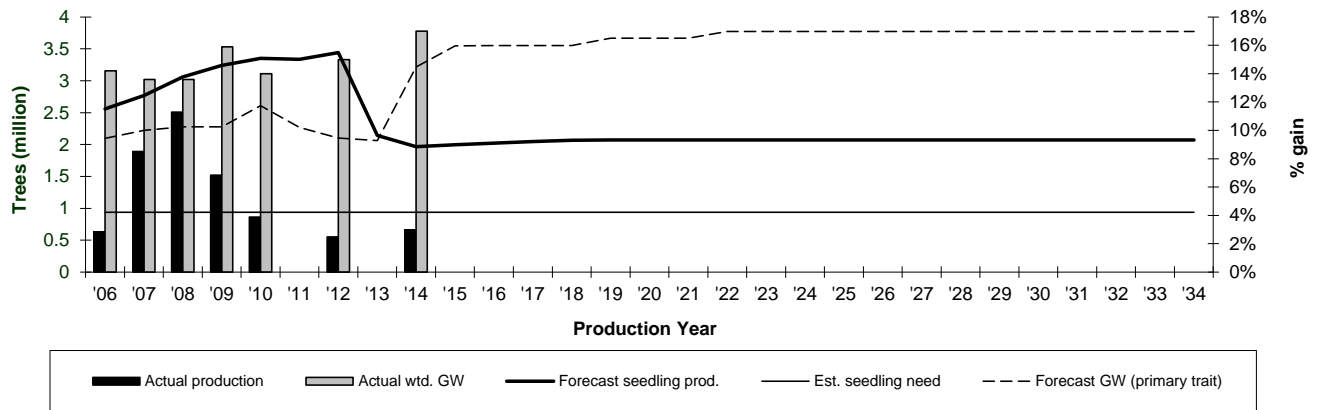
Phase 2

Total Production	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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Total gain	16%	16%	16%	16%	16%	16%	16%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%
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Estimated orchard gain and production - Excludes QCI orchard 188

SPU 3 Hw M 1-600m



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

