

# Whitebark Pine Provenance Trials: Early Results













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**COSEWIC**  
**Assessment and Status Report**

on the

**Whitebark Pine**  
*Pinus albicaulis*

in Canada



**ENDANGERED**  
2010

**COSEWIC**  
Committee on the Status  
of Endangered Wildlife  
in Canada



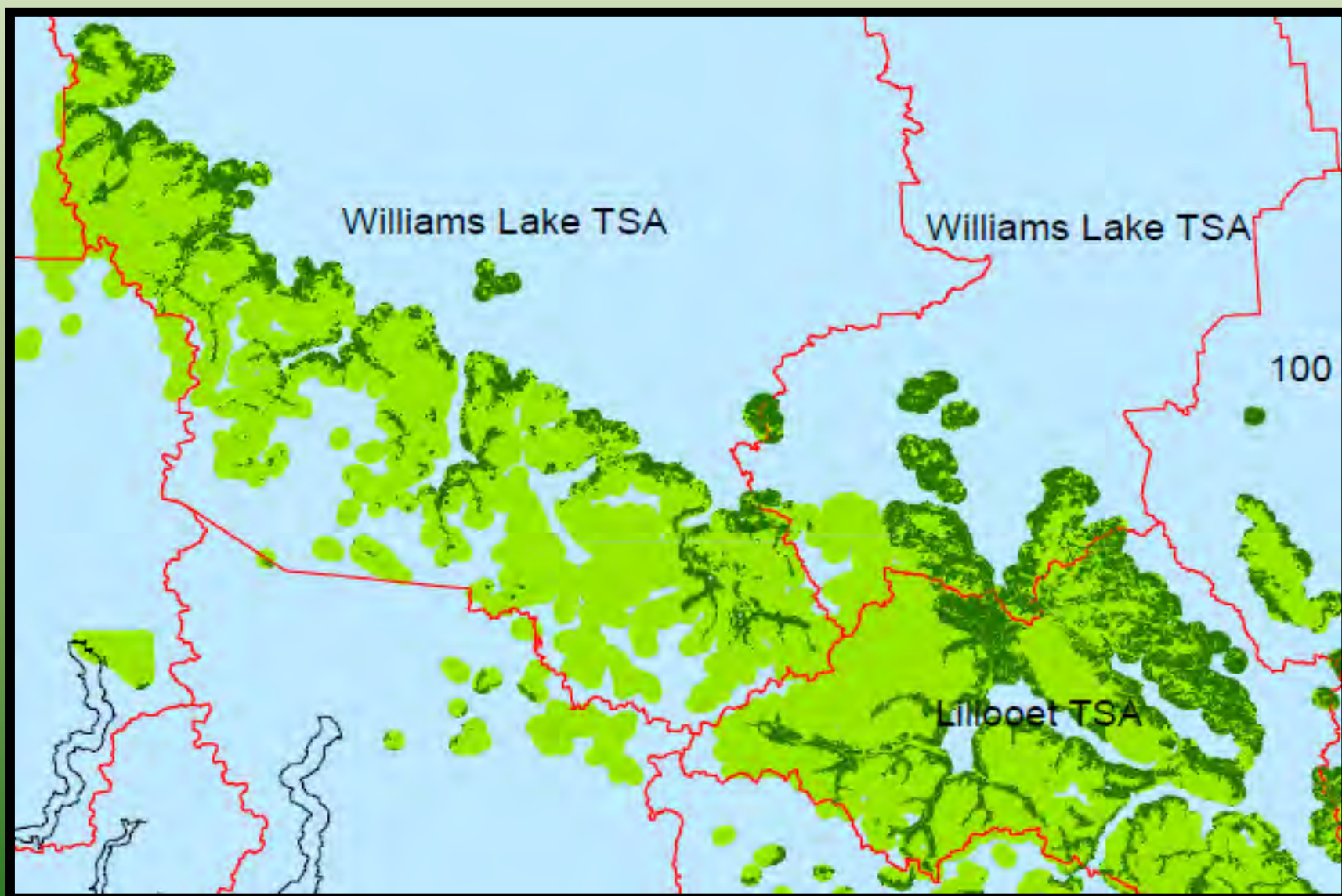
**COSEPAC**  
Comité sur la situation  
des espèces en péril  
au Canada



# **Working Towards a Whitebark Decision Document**









Timber Supply Area Impacts for Whitebark Pine Conservation areas							
Area	TSA_name	Total_area ('000 ha)	THLB (ha)	AAC	THLB area in Cons areas	% THLB Impact	AAC recalc
South	Arrow	590	204,767	513,700	48,676	23.8	391,585
	Cranbrook	1,484	416,196	898,210	147,381	35.4	580,141
	Golden	1,185	141,530	485,000	79,787	56.4	211,584
	Invermere	1,153	233,873	598,570	136,388	58.3	249,501
	Kootenay Lake	1,241	199,282	640,000	59,195	29.7	449,895
	Lillooet	1,123	237,747	570,000	167,495	70.5	168,430
	Revelstoke TSA	527	57,908	225,000	10,403	18.0	184,580
	Williams Lake TSA	4,172	1,860,000	3,000,000	175,635	9.4	2,716,718









Province of British Columbia

# Whitebark Pine Screening for Blister Rust Resistance

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Image © 2013 Province of British Columbia



2005

lat 51.665617° lon -124.520451° elev 1992 m eye alt 2.55 km

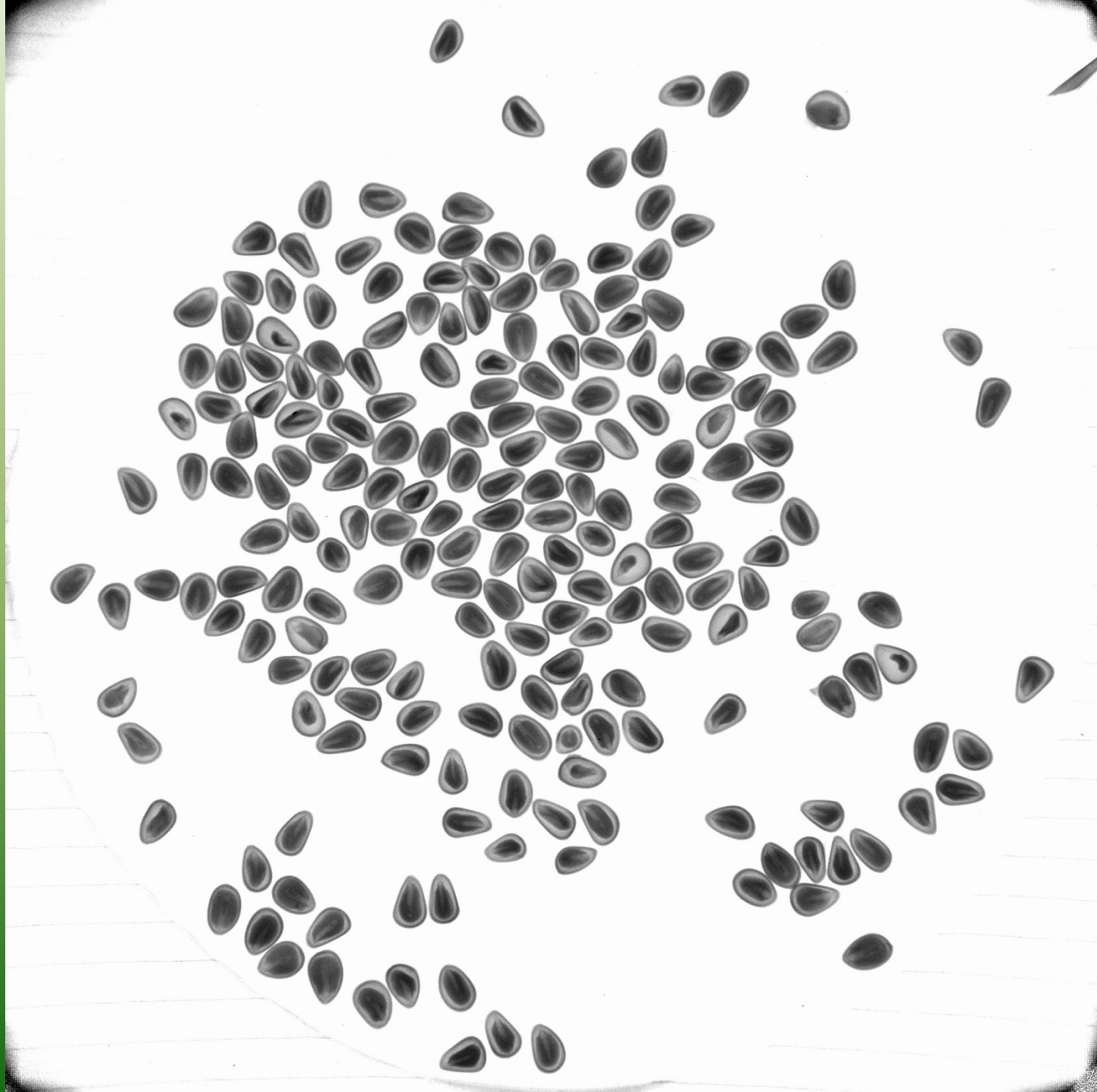


















PLEASE DO NOT  
TURN OFF TAP...  
DO NOT MOVE BUCKET  
OR BLOCK DRAIN.  
Thanks - Charlie, Vicky, Petra

























# Germination of Scarified and Un-Scarified Seed

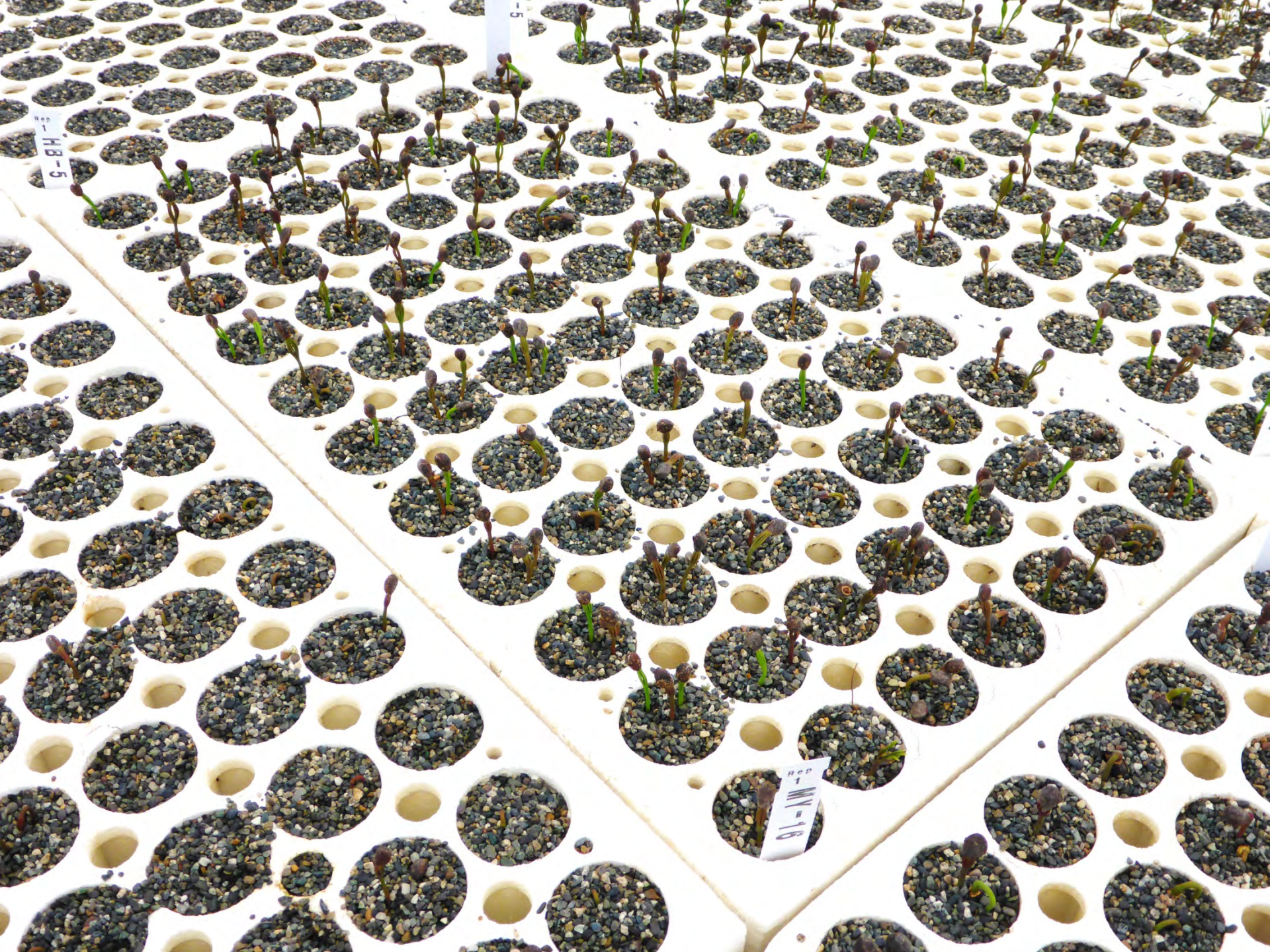
Tree	Nicked	Disgarded	Not Nicked	Germinants Nicked	Germinants Not Nicked	% Germ. All Nicked	% Germ. Nicked	% Germ. Not Nicked
1401 Moyie	165	13	185	103	88	62	68	48
1413 Baldy	169	5	179	129	94	76	79	53
1420 Baldy	179	10	171	99	47	55	59	27
1304 Panorama	191	6	164	140	112	73	76	68
1404 Puddingb	172	15	167	128	96	74	82	57
					AVERAGE	68	73	51



# Effect of Nicking on Percent Germination

Family	Good	Bad	Total	Germnts	% of Sown	% of Total
1. Sid Williams 3	255	0	255	83	33	33
2. Kicking Horse 2	342	104	446	136	40	31
3. Puddingburn 6	303	4	307	246	81	80
4. Morrell Lookout	326	3	329	262	80	80
5. Fremont 36	183	18	201	156	85	78
				Avg.	63.80%	60.40%





Rep 1  
H8-5

Rep 1  
H8-5













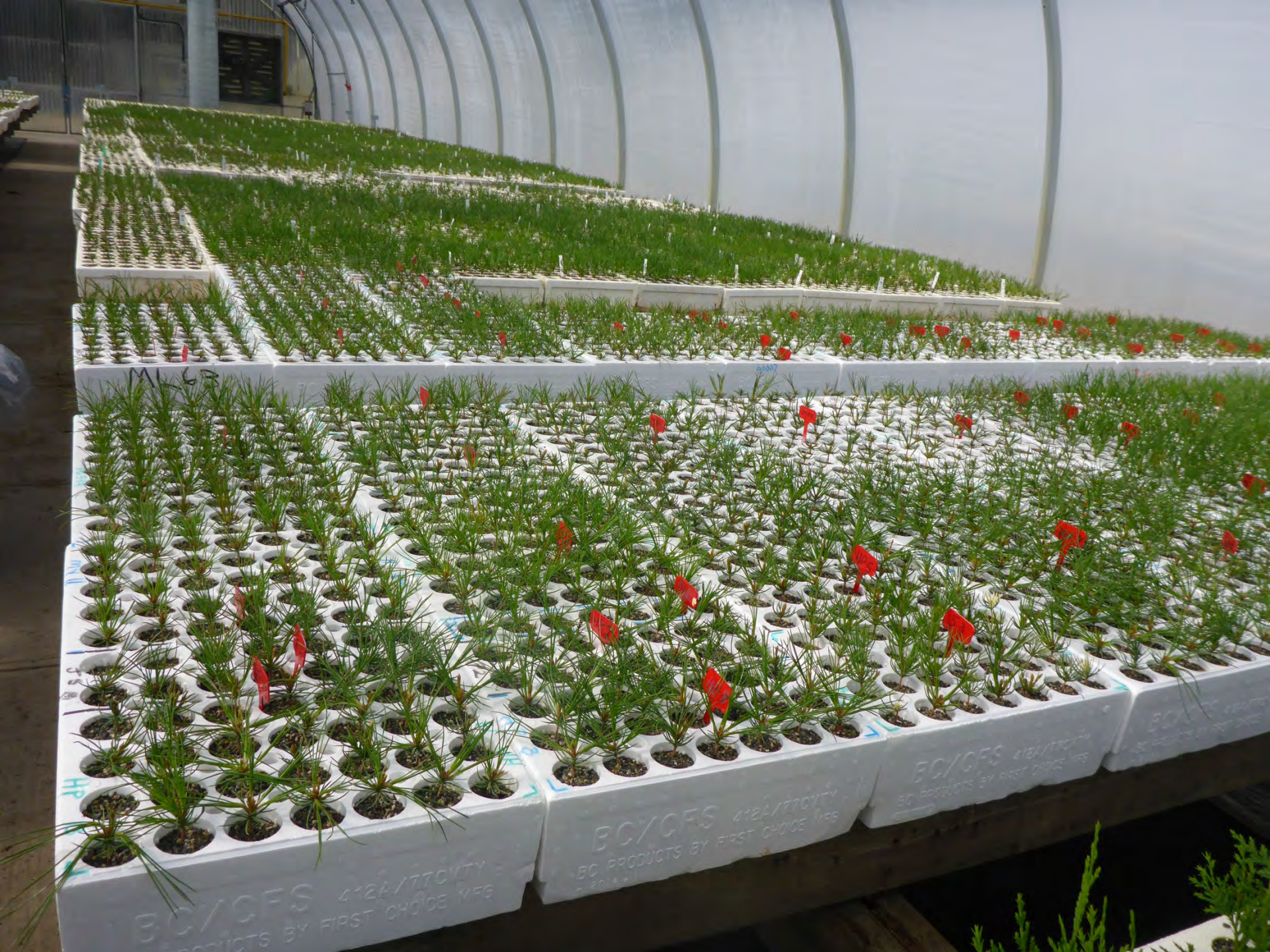














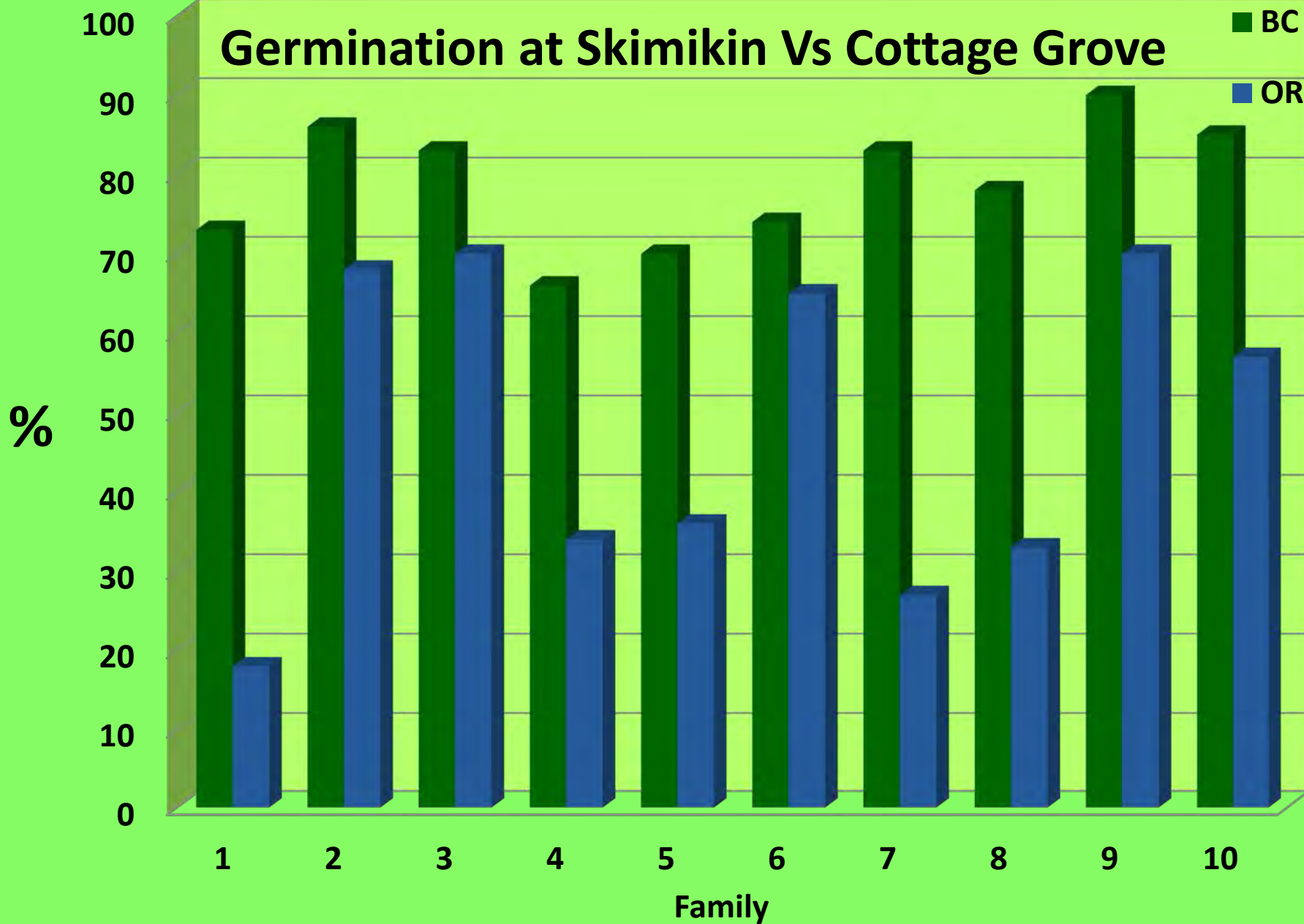






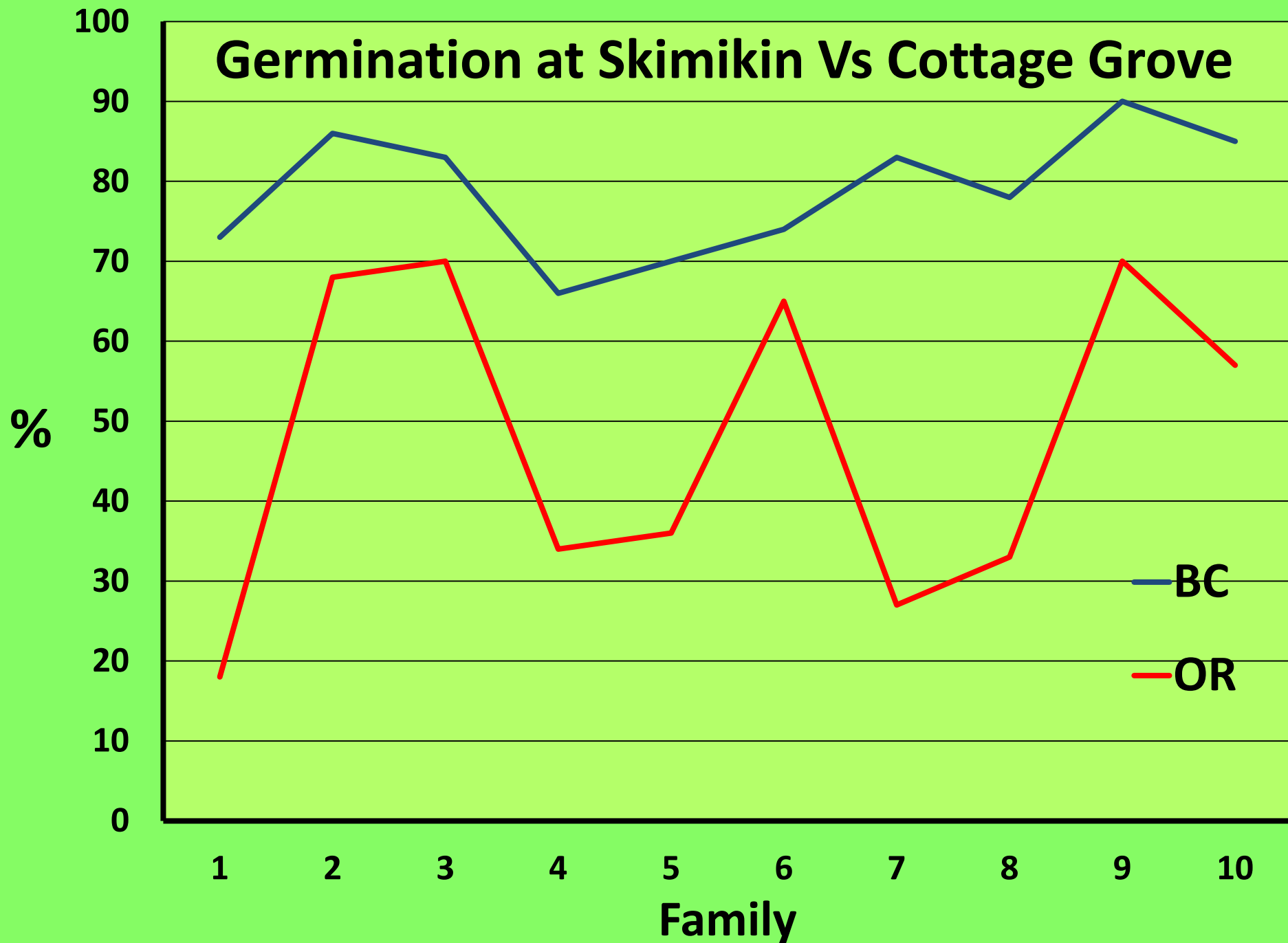


# Germination at Skimikin Vs Cottage Grove





# Germination at Skimikin Vs Cottage Grove



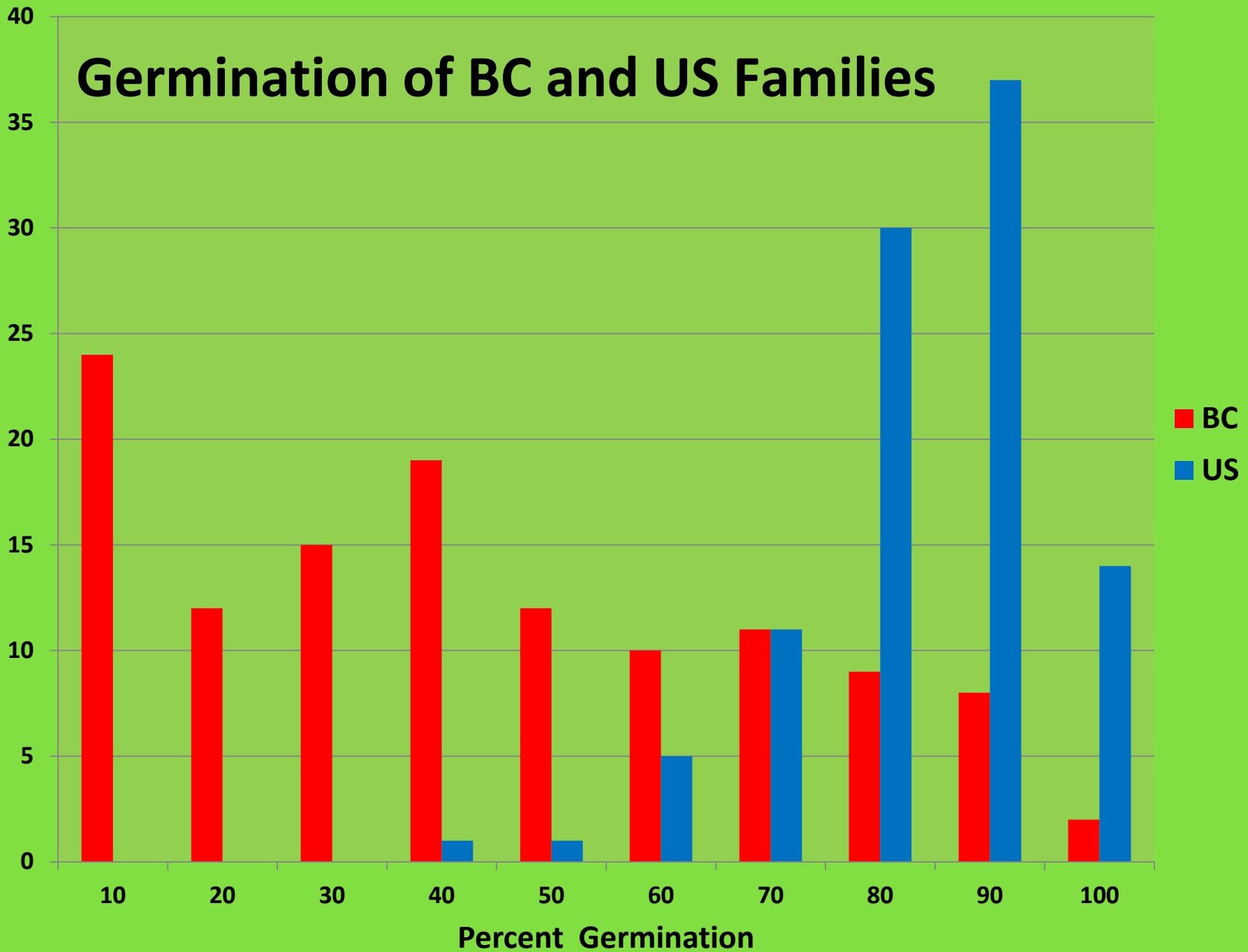






# Germination of BC and US Families

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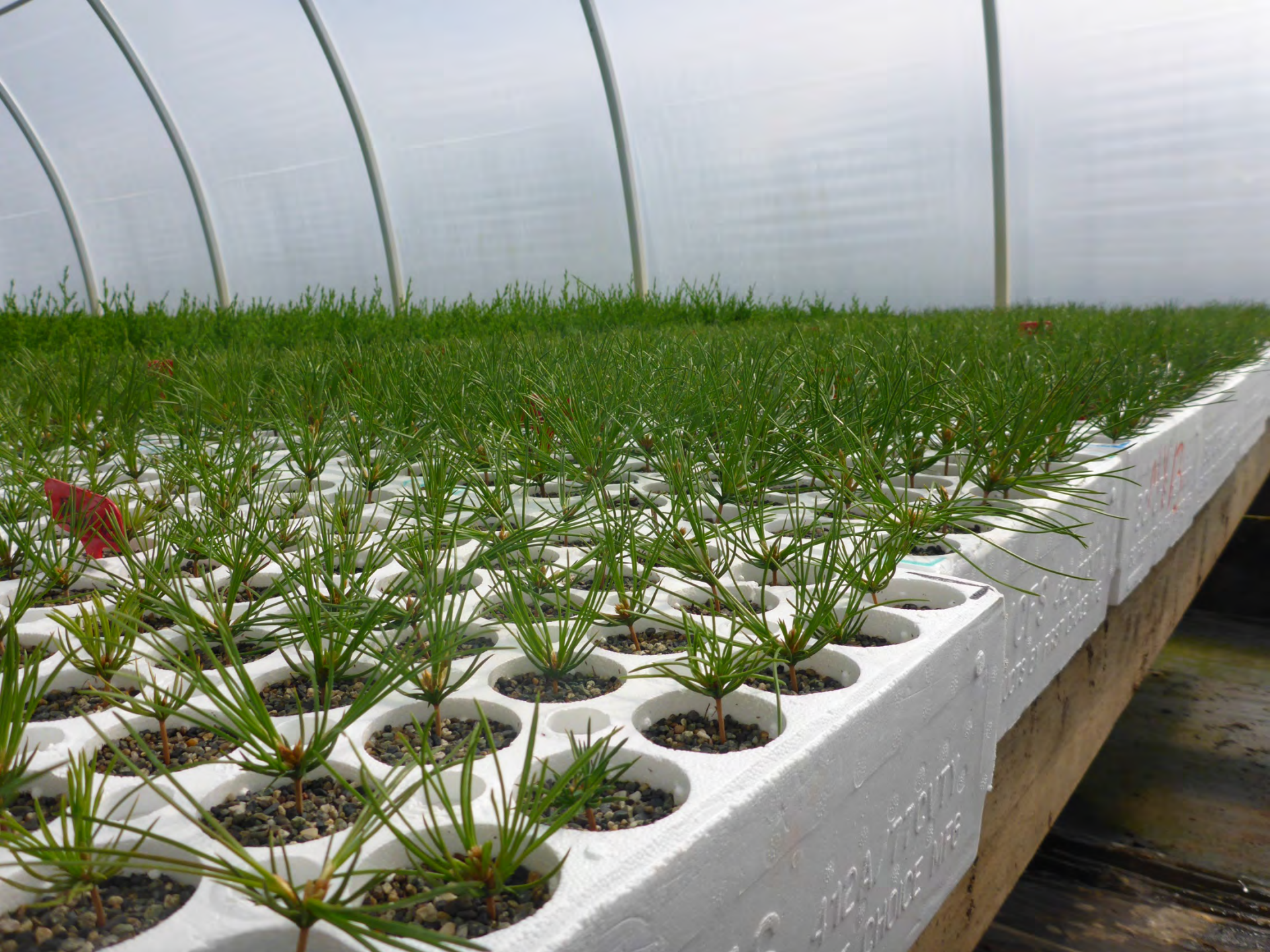












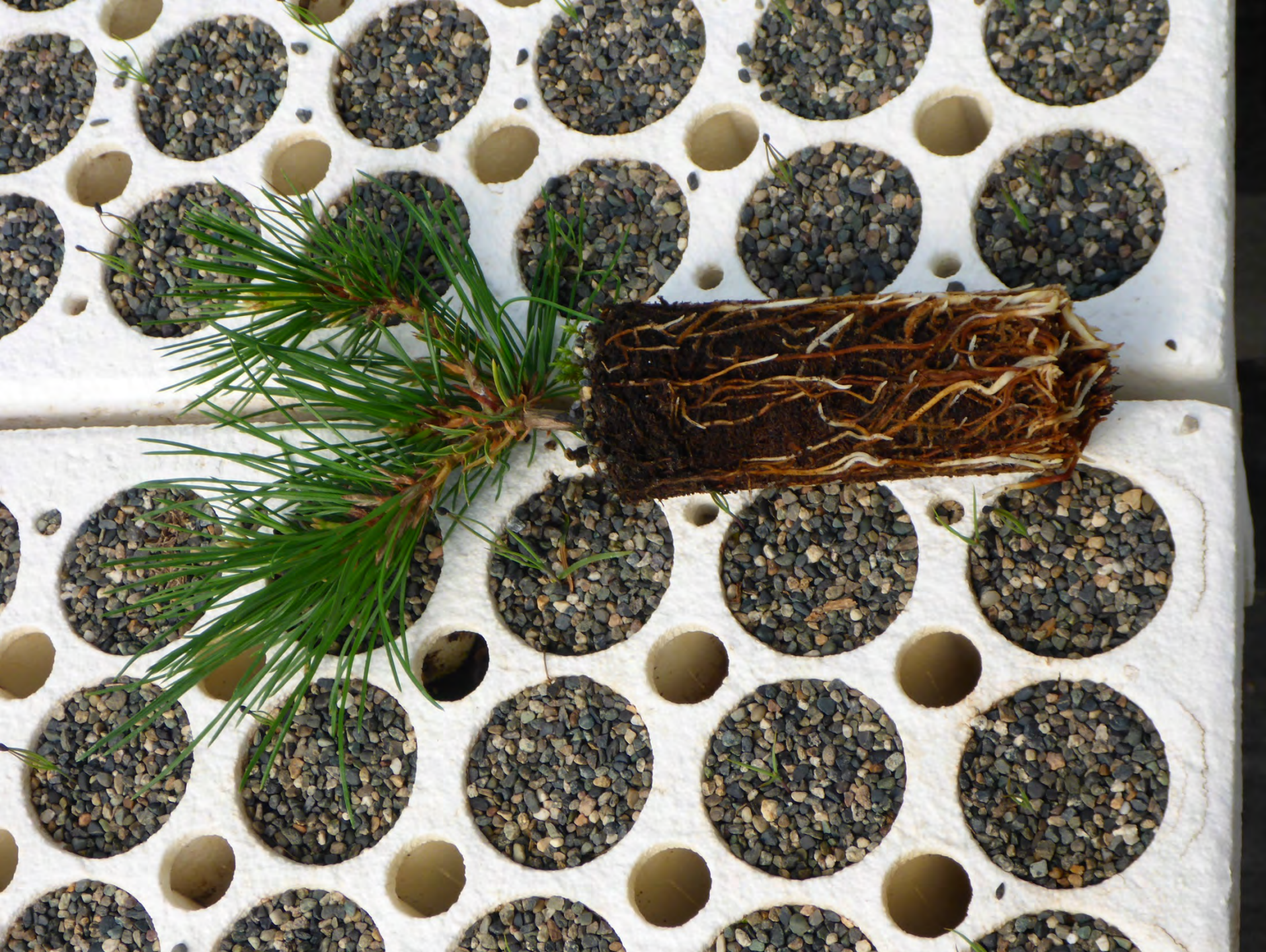






























# Draft Whitebark Pine Test Locations

	Name	Lat	Long	Elev	MAT	MAP	PAS
Series 1							
1	Hudson Bay Mtn	54.83	127.37	1920	-0.3	1547	1014
2	McBride Peak	53.33	120.12	2040	-0.4	1302	705
3	Perkins Mtn	51.82	125.04	1940	-1.6	977	690
4	Blackwall	49.1	120.77	1960	0.8	1431	1009
Series 2							
5	Garbitt Mountain	55.53	122.8	1740	-1.3	1307	877
6	Blackwater Mtn	51.4	116.88	1900	-0.8	1595	929
7	Blackcomb	50.08	123.95	1800	1.5	1727	1065
8	Puddingburn Mtn	49.55	116.08	2280	-0.2	901	566











