

CANADIAN NURSERY UPDATE¹

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INTRODUCTION

The 1981 meeting of the Intermountain Nurserymen's Meeting will be held in Edmonton, Alberta, Canada, August 11 - 13. Many of you will be attending your first Nurserymen's Meeting outside of the United States. In order to acquaint you with the nurseries you could visit in Canada, I will outline nursery production first on a national basis and then in detail for the western and northern region in which Alberta is located.

NATIONAL SUMMARY Bare-Root Seedling Production

In 1979, approximately 205 million bare-root seedlings were shipped from 46 production centres across Canada to the field for reforestation and afforestation purposes (Table 1).

Table 1.--National summary of bare-root seedling production

Province	No. of production centres	Area available for production (ha)	Area currently in production (ha)	Production 1979 ('000)
British Columbia	8	806	278	66,730
Alberta	2	193	99	3,400
Saskatchewan	5	308	219	16,230
Manitoba	1	19	4	1,432
Ontario	12	693	536	62,370
Quebec	10	284	176	30,875
New Brunswick	3	166	147	20,300
Nova Scotia	2	98	18	2,900
Prince Edward Island	1	34	0.4	300
Newfoundland	2	245	42	300
	46	2,846	1,517	204,837

¹Paper presented at the combined meeting of the Western Nursery Council and Intermountain Nursery Man's Association, Boise, Idaho, August 12-14, 1980.

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Production for 1980 is estimated at 228 million seedlings, an increase of approximately 11% over 1979.

Containerized Seedling Production

In 1979, 108 million containerized seedlings were shipped in a variety of container types from 47 production centres across Canada (Table 2).

Table 2.--National summary of containerized seedling production

Province	No. of production centres	Production 1979 ('000)	Heated		Non-heated	
			(No.)	(Area m ²)	(No.)	(Area m ²)
British Columbia	10	34,307	73	28,608	19	7,812
Alberta	5	20,620	35	17,343	-	-
Saskatchewan	2	1,860	3	1,180	-	-
Manitoba	1	645	4	622	-	-
Ontario	8	10,240	22	5,361	16	4,067
Quebec	3	772	6	1,277	-	-
New Brunswick	9	32,312	46	21,135	7	4,670
Nova Scotia	6	5,946	14	4,322	18	4,918
Prince Edward Island	1	1,200	1	1,860	-	-
Newfoundland	2	556	4	1,168	-	-
	47	108,458	208	82,876	60	21,467

Shipments for 1980 are estimated at 124 million seedlings, an increase of approximately 14% over 1979.

Currently, Canada has 104,343 m² of growing area available for the production of containerized stock in federal, provincial, industrial and private greenhouse facilities. Seventy-nine (79%) percent of this area is in 208 heated greenhouses.

The popularity of container types used varies across the country (Table 3).

Table 3.--Container types used in Canada

Province	Container Type
British Columbia	-BC/CFS Styroblock 2A and 4 -Spencer-Lemaire 'Fives' Roottrainers
Alberta	-Spencer-Lemaire 'Ferdinand', 'Fives' and 'Hillsons' Roottrainers
Saskatchewan	-FH 408 Japanese Paperpot -FH 315 & FH 408 Japanese Paperpot
Ontario	-FH 408 Japanese Paperpot -Spencer-Lemaire 'Ferdinand' Roottrainer

Quebec	-BC/CFS Styroblock 2A and 4 -Spencer-Lemaire Roottrainers
New Brunswick	-FH 408 Japanese Paperpot -Can-Am 45 cc Multipot
Nova Scotia	-FH 408 Japanese Paperpot -Can-Am 80 cc Multipot
Prince Edward Island	-Spencer-Lemaire 'Ferdinand' Roottrainer
Newfoundland	-FH 408 Japanese Paperpot -Spencer-Lemaire 'Fives' Roottrainer -Can-Am 43 cc Multipot

WESTERN AND NORTHERN REGION

Within the region there are eleven facilities producing bare-root seedlings, container seedlings, or a combination of both, for reforestation or afforestation (fig. 1). Production at different nurseries varies from twenty million to two hundred and fifty thousand. Table 4 gives a regional production summary.

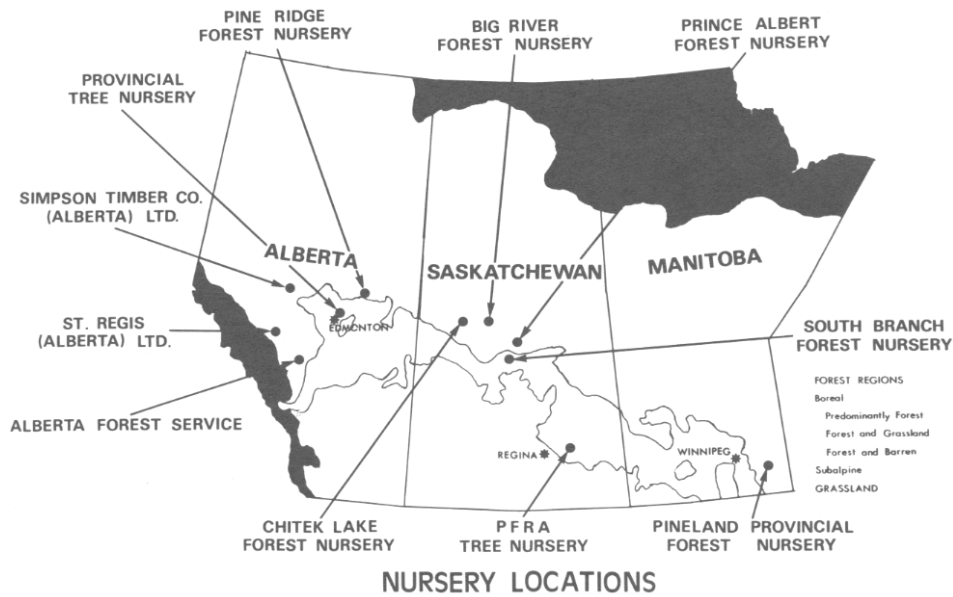


Figure 1.--Location of Nurseries in the Western and Northern Region.

Table 4.--Western and Northern Region summary of nurseries

	Bare-root	Container
Number of Production Centres	8	8
Area Available for Production	520 ha	19,145 m ²
Area Currently in Production	322 ha	19,145 m ²
1979 Production ('000)	21,062	23,125
Estimated 1980 Production ('000)	30,150	22,060
Number/Area Heated Greenhouses		42/19,145 m ²

HI-LITES OF SELECTED NURSERIES

Some of the nurseries within the region have unique systems or machinery for accomplishing certain tasks. They are as follows:

Nursery	Unique characteristics
Pineland Provincial Forest Nursery Hadashville, Manitoba	Rolling greenhouses--when one crop of seedlings is ready to be moved out, they roll greenhouse to new location and start second crop.
PFRA Tree Nursery Indian Head, Saskatchewan	Highly mechanized. Assorted seeds for different species. Good lifting system. Modern cold storage.
Prince Albert Forest Nursery Prince Albert, Saskatchewan	Large glass greenhouses. Automatic boom sprinklers. Complete paperpot filling system. New seed extraction plant.
Pine Ridge Forest Nursery Smoky Lake, Alberta	Very modern facility. Twenty (20) greenhouses. Pallet system for containers. Tree breeding facility. Automatic filling system for containers. Seed extraction plant.
Provincial Tree Nursery Oliver, Alberta	Growing many different species in containers. Propagation trials.
Simpson Timber (Alta.) Ltd. Whitecourt, Alberta	Container Production Greenhouse with traveling boom for both water and lights.
St. Regis (Alberta) Ltd. Hinton, Alberta	New glass container production facility. Set up to grow 12 crops of 240 m each per year.