

Details of Two-year-old Trees, sown 1918-19.

Name of Tree.					Number in Seed-beds.	Number in Nursery Lines.	Growth.
<i>Pinus Laricio</i>	..	..	..	..	152,200	..	Good, sturdy trees.
" <i>ponderosa</i>	..	..	..	..	63,000	..	"
" <i>radiata</i>	..	..	..	..	..	1,800	Poor.
" <i>muricata</i>	..	..	..	..	500	..	Healthy trees.
<i>Populus fastigiata</i>	..	..	..	..	..	680	Fair.
" <i>monolifera</i>	..	..	..	..	..	270	"
Totals	..	..	..	..	215,700	2,750	
					218,450		

Details of Three-year-old Trees, sown 1917-18.

Name of Tree.					Number in Nursery Lines.	Growth.
<i>Pinus Laricio</i>	..	..	..	..	42,000	Majority too small for transfer.
" <i>ponderosa</i>	..	..	..	..	225,000	Good, healthy trees.
" <i>Banksiana</i>	..	..	..	..	9,000	Selected trees; good results.
" "	..	..	..	..	21,000	Very poor.
<i>Picea excelsa</i>	..	..	..	..	2,000	"
<i>Pseudo-tsuga Douglasii</i>	..	..	..	..	1,000	"
Total	..	..	..	..	300,000	

Trees transferred from Nursery to Plantations, &c., 1919.

Where sent.				Name of Tree.		Number.	
Naseby Plantation	..	..	{	<i>Pinus ponderosa</i> (3-year)	..	48,275	
				" " (2-year)	..	20,700	
				" <i>Laricio</i> ..	..	26,550	
				" <i>radiata</i> ..	..	26,975	
				<i>Cupressus macrocarpa</i> ..	..	550	
				<i>Pseudo-tsuga Douglasii</i>	..	1,500	
				<i>Picea excelsa</i> ..	..	1,700	
				<i>Betula alba</i> ..	..	80	
			<i>Populus fastigiata</i>	..	500		
Farmers and public bodies	..	..	Assorted forest-trees	..	..	126,830	6,472
Total ..	..	..	..	..		133,302	

NASEBY PLANTATION, CENTRAL OTAGO.

(Area, 2,850 acres; altitude, 2,450 ft.; commenced 1900.)

Favourable climatic conditions were experienced during the past year, and the plantation has benefited by an increased rainfall which was fairly evenly distributed over the twelve months. Rain fell on 119 days, the total amount recorded being 29·15 in. Frosts occurred on 186 nights, but on the average the frosts were much less severe than those of the previous year. An exceptionally heavy gale, amounting to almost a hurricane, occurred in the spring, and did a considerable amount of damage to fences and camp buildings.

Trees to the number of 126,820 were received from Ranfurly Nursery, and of this number 76,430 were planted on a new area of 46½ acres at an average cost of 12s. 8d. per thousand, while the remaining 50,400 trees were used to replace failures in the former year's planting. Preparations were made in anticipation of receiving a much larger number of trees, and some 400,000 pits were left available for next season's planting. Consequently it will not be necessary to prepare any further area for next spring; but a proportion of the pits will probably be required to be reopened. The trees planted were of a somewhat inferior class and have made practically no progress, although only a small percentage of deaths is noticeable.

Taking the established portion of the plantation, a decided improvement in the rate of growth may be observed. The absence of the persistent cold winds and generally uncongenial conditions of the previous season has resulted in fine healthy growth in nearly all species, and especially so in the case of *Pinus ponderosa* and *Pinus Laricio*. In the former species specimens may be seen with a clean growth of nearly 3 ft., while the latter have made an average growth of 2 ft., and are in a very healthy condition. Average growth has been made by the older larch, and the more recently planted trees are now beginning to show up well after being retarded for several seasons by unseasonable frosts. The meteorological table shows that not one month in the year was