

A similar trial was carried out on the Winton Area (as described in last month's *Journal*), and a comparison with the results obtained is of interest, the details being as follows:—

Plot No.	Seed Tubers.	Treatment of Soil and Seed.	Yield.	
			Gore Area.	Winton Area.
1	Scabby ..	No lime	lb. 25	lb. 36
2	" ..	3 tons crushed lime per acre ..	31	30
3	" ..	Corrosive sublimate; no lime ..	81	156
4	" ..	Corrosive sublimate; 3 tons limestone per acre	35	84
5	" ..	Formalin; no lime	49	74
6	" ..	Formalin; 3 tons limestone per acre	43	120
7	Clean medium	No lime	128	236
8	" ..	3 tons limestone per acre ..	54	126

It is interesting and significant to note, however, that at the date of lifting the tubers no potatoes infected with powdery scab could be found, and this also appears to have been the case in the same season's trials on both the Winton and Ashburton Experimental Areas.

Subsection B.—Origin of Seed Trial.

This investigation was made with the object of securing definite information regarding the effect on yield of planting seed grown in different districts of the Dominion. Two varieties were tried out, seed of these being procured from different localities. The following is a summary of the results obtained:—

Plot No.	Variety.	Origin of Seed.	Yield.
1	Arran Chief	Southland	lb. 280
2	"	Canterbury	290
3	"	Pukekohe	128
4	Gamekeeper	Southland	217
5	"	Canterbury	201
6	"	Palmerston North ..	285

Subsection C.—Size and Form of Seed Trial.

This trial was initiated with a view to obtaining some information as to which is the best end of the seed and the correct size of seed to plant. Arran Chief variety was used throughout, and the following results were obtained:—

Plot No.	Size and Method of Planting.	Yield.			
		Table.	Seed.	Small.	Total.
1	Very small	lb. 53	lb. 132	lb. 105	lb. 290
2	Medium size	94	191	135	420
3	Table size, uncut	67	131	108	306
4	Table size, cut	8	16	4	28
5	Stem end planted	113	145	85	343
6	Rose end planted	153	116	59	328
7	Medium size	103	160	67	330