

VARIETY TEST.

Plot.	Variety.	Crop per Acre.	
		Roots.	Tops.
	Yellow-fleshed—	Tons.	Tons.
1	Garton's Green-top Scotch	9-52	2-72
2	„ Purple-top Scotch	13-05	2-72
3	„ Inche's Bronze-top	9-52	1-90
4	„ Old Meldrum	10-88	2-99
5	„ Stobo, Blue	14-14	2-99
6	Challenge—Waite's Eclipse	13-33	2-44
7	„ Dale's Hybrid	12-24	2-99
8	Sutton's All the Year Round	14-96	2-17
9	„ Centenary	19-58	2-44
10	„ Early Sheepfold	18-21	2-44
11	„ Favourite Purple-top	15-23	2-17
12	„ Perfection Green-top	14-14	1-63
13	„ Romney Marsh	19-31	2-17
14	Montgomery's Aberdeen Green-top Yellow	10-33	1-90
15	„ Aberdeen Purple-top Yellow	12-51	2-99
16	„ Fosterton Hybrid	14-14	2-17
17	„ Green-top Yellow Tankard	12-51	2-99
18	Nimmo and Blair's Challenger.. .. .	9-25	2-17
	White-fleshed—		
19	Garton's Hardy Green Globe	20-94	2-99
20	Sutton's Red Paragon	18-50	1-90
21	„ Early Six Weeks	16-32	1-35
22	„ Purple-top Mammoth.. .. .	22-85	2-72
23	„ Pomeranian White Globe	19-86	2-99
24	„ Imperial Green Globe	22-03	2-44
25	Montgomery's White Stone	16-86	2-17
26	„ Devonshire Greystone	15-77	2-17
27	„ Lincolnshire Red Globe	16-05	2-99

Inspector McCulloch reports: Varieties—There was a good seed-bed at time of sowing. These variety tests were sown on land lying directly away from the sun, consequently with the extremely wet season experienced, together with the want of sufficient heat, the yields were no doubt much affected, and growth was consequently slow. Manures—These were sown on land well prepared, with a good north-easterly aspect, and growth was good all the season. Both crops were quite healthy.

Manurial and Variety Tests, conducted by D. Rogers, Tapanui.

The land selected was a clayey loam on a clay subsoil, and was in pasture for three years previous to breaking out of lea for this experiment in June, 1911. It was disced four times in November, 1911; tine-harrowed four times and chain-harrowed once in December, 1911. In the manurial test the area was divided into seven manurial plots and one unmanured as a test plot. Plots one-tenth acre each. The fertilizers applied were according to a scheme designed by the Chief Agricultural Chemist. The variety of seed sown was Fosterton Hybrid. In the variety test 3 cwt. National Mortgage and Agency Company's Perfect turnip-manure was applied per acre. The seeds and fertilizers were sown in raised drills on 3rd January, 1912; drills 28 in. apart. The roots were pulled and weighed on 27th June, 1912. Results:—