

## VARIETY TEST.

Plot.	Variety.	Crop per Acre.	
		Roots.	Tops.
	Yellow-fleshed—	Tons.	Tons.
1	Garton's Green-top Scotch .. .. .	13-60	1-90
2	"   Purple-top Scotch .. .. .	23-94	2-44
3	"   Inche's Bronze-top .. .. .	13-33	2-17
4	"   Old Meldrum .. .. .	9-52	0-80
5	"   Stobo, Blue .. .. .	9-52	1-36
6	Challenge—Waite's Eclipse .. .. .	9-27	1-36
7	"   Dale's Hybrid .. .. .	12-24	2-44
8	Sutton's All the Year Round .. .. .	11-97	1-36
9	"   Centenary .. .. .	9-79	0-80
10	"   Early Sheepfold .. .. .	16-86	1-36
11	"   Favourite Purple-top .. .. .	8-70	0-80
12	"   Perfection Green-top .. .. .	20-67	2-17
13	"   Romney Marsh .. .. .	13-60	1-90
14	Montgomery's Aberdeen Green-top Yellow .. .. .	11-69	0-80
15	"   Aberdeen Purple-top Yellow .. .. .	12-24	2-17
16	"   Fosterton Hybrid .. .. .	17-13	2-99
17	"   Green-top Yellow Tankard .. .. .	16-32	2-99
18	Nimmo and Blair's Challenger.. .. .	19-04	3-80
	White-fleshed—		
19	Garton's Hardy Green Globe .. .. .	30-47	1-90
20	Sutton's Red Paragon .. .. .	20-13	1-63
21	"   Early Six Weeks .. .. .	20-94	1-08
22	"   Purple-top Mammoth.. .. .	30-74	2-99
23	"   Pomeranian White Globe .. .. .	17-41	1-63
24	"   Imperial Green Globe .. .. .	33-19	1-08
25	Montgomery's White Stone .. .. .	28-29	3-26
26	"   Devonshire Greystone .. .. .	30-74	3-53
27	"   Lincolnshire Red Globe .. .. .	37-81	4-89

Inspector McCulloch reports: In the manurial test the braird and quality of the turnips was good. In the variety test the braird of plots Nos. 1 to 18 was poor, and the quality in most cases only fair.

*Manurial and Variety Tests, conducted by Mark McAuley, Tapanui.*

The land selected was a clayey loam on a clay subsoil. In 1906 it was in turnips, in 1907 fallow, in 1908 oats, in 1909-10 grass. Ploughed out of lea for this experiment in July, 1911; disced in July, 1911; disced twice, tine-harrowed, and clod-crushed 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 2 cwt. Mataura turnip-manure was applied per acre. The seeds and fertilizers were sown in raised drills on 19th December, 1911; drills 28 in. apart. The roots were pulled and weighed on 25th June, 1912. Results:—