

Variety Test, conducted by John Douglas's Trustees, Mount Royal, Palmerston.

The land selected was a clayey loam with gravelly subsoil. It was in old English grass from 1906 to 1909; skim-ploughed in January, 1910, and put in oats, August, 1910; again sown in oats, March, 1911, and fed off with sheep in October 1911. It was ploughed for this experiment 28th December, 1911, disced three times, tine-harrowed three times, and Cambridge-rolled in November, 1911. 2½ cwt. Criterion turnip-manure was applied per acre. The seeds were sown on 1st December, 1911. The roots were pulled and weighed on 28th May, 1912. Results:—

Plot.	Variety.	Crop per Acre.	
		Roots.	Tops.
	Yellow-fleshed—	Tons.	Tons.
1	Garton's Green-top Scotch	9-52	3-26
2	,, Purple-top Scotch	14-42	4-62
3	,, Inche's Bronze-top	10-06	3-26
4	,, Old Meldrum	21-49	3-53
5	,, Stobo, Blue.. .. .	12-78	3-80
6	Challenge—Waite's Eclipse	16-32	4-08
7	,, Dale's Hybrid	16-33	4-08
8	Sutton's All the Year Round	8-71	2-17
9	,, Centenary	12-24	1-63
10	,, Early Sheepfold	18-49	2-44
11	,, Favourite Purple-top.. .. .	10-88	1-90
12	,, Perfection Green-top.. .. .	10-34	1-63
13	,, Romney Marsh	12-24	1-90
14	Montgomery's Aberdeen Green-top Yellow	9-25	2-44
15	,, Aberdeen Purple-top Yellow	10-06	2-44
16	,, Fosterton Hybrid	15-77	3-53
17	,, Green-top Yellow Tankard	15-77	4-62
18	Nimmo and Blair's Challenger.. .. .	7-07	1-63
	White-fleshed—		
19	Garton's Hardy Green Globe	22-58	3-26
20	Sutton's Red Paragon	25-02	2-99
21	,, Early Six Weeks	22-58	2-44
22	,, Purple-top Mammoth	30-47	3-53
23	,, Pomeranian White Globe	19-58	2-72
24	,, Imperial Green Globe	19-58	2-99
25	Montgomery's White Stone	17-68	2-72
26	,, Devonshire Greystone	16-32	2-72
27	,, Lincolnshire Red Globe	16-86	2-99

Inspector Dalglish reports: The weather-conditions were adverse to good growth. Bulbs were small.

Manurial and Variety Tests, conducted by A. Murray, Dunback.

The land selected was a clayey loam with a clay subsoil. It was in grass in 1906 and 1907; broken up and put in turnips in 1908; in wheat 1909; sown in oats and grass 1910; grass-grub rendered the grass useless. It was ploughed for this experiment 6 in. deep on 8th August, 1911; cultivated twice, tine-harrowed four times, and rolled, 10th November, 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. Rockland manure per acre was applied. The seed and fertilizers were sown in raised drills on