

VARIETY TEST.

Plot.	Variety.	Crop per Acre.	
		Roots.	Tops.
	Yellow-fleshed—	Tons.	Tons.
1	Garton's Green-top Scotch	10-26	2-16
2	" Purple-top Scotch	9-18	2-16
3	" Inche's Bronze-top	10-80	2-70
4	" Old Meldrum	8-10	2-70
5	" Stobo, Blue.. .. .	13-50	2-70
6	Challenge—Waite's Eclipse	14-58	2-70
7	" Dale's Hybrid	10-26	2-16
8	Sutton's All the Year Round	14-58	2-70
9	" Centenary	15-12	1-08
10	" Early Sheepfold	17-28	2-16
11	" Favourite Purple-top.. .. .	12-42	2-70
12	" Perfection Green-top	14-04	1-62
13	" Romney Marsh	11-90	1-62
14	Montgomery's Aberdeen Green-top Yellow	14-58	1-62
15	" Aberdeen Purple-top Yellow	12-96	2-16
16	" Fosterton Hybrid	11-90	2-70
17	" Green-top Yellow Tankard	12-42	2-16
18	Nimmo and Blair's Challenger.. .. .	8-10	1-62
	White-fleshed—		
19	Garton's Hardy Green Globe	19-44	2-70
20	Sutton's Red Paragon	17-28	1-62
21	" Early Six Weeks	16-20	1-08
22	" Purple-top Mammoth	17-28	2-16
23	" Pomeranian White Globe	16-74	1-08
24	" Imperial Green Globe	17-28	2-16
25	Montgomery's White Stone	14-58	2-70
26	" Devonshire Greystone	16-20	2-70
27	" Lincolnshire Red	18-36	3-24

Inspector Taylor reports : The sowing of the plots was carried out under favourable conditions. The diamond-back moth (*Plutella cruciferarum*) attacked the leaves during the months of March and April, but not to any extent.

PALMERSTON DISTRICT.

Manurial and Variety Tests, conducted by A. D. Gillies, Hampden.

The land selected was a clayey loam on a gravelly subsoil, and was in oats in 1910. For the present experiment it was cultivated in March, 1911; ploughed 9 in. deep in May; tine-harrowed twice in September; cultivated twice, tine-harrowed twice in October; and thrown into raised drills on 17th 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. Argyle guano per acre was applied. In the manurial test the seed and fertilizers were sown in raised drills on 8th November, 1911, and in the variety test the seeds and fertilizers were sown in raised drills on 18th November, 1911; drills 28 in. apart. The roots were pulled and weighed on 17th June, 1912. Results :—