

VARIETY TEST.

Plot.	Variety.	Crop per Acre.	
		Roots.	Tops.
	Yellow-fleshed— <i>continued.</i>		
14	Montgomery's Aberdeen Green-top Yellow .. .. .	Tons. 22-03	Tons. 4-62
15	„ Aberdeen Purple-top Yellow .. .. .	23-66	5-44
16	„ Fosterton Hybrid .. .. .	28-29	6-25
17	„ Green-top Yellow Tankard .. .. .	26-93	6-25
18	Nimmo and Blair's Challenger .. .. .	22-85	4-61
	White-fleshed—		
19	Garton's Hardy Green Globe .. .. .	36-72	5-98
20	Sutton's Red Paragon .. .. .	21-49	3-80
21	„ Early Six Weeks .. .. .	24-21	3-26
22	„ Purple-top Mammoth .. .. .	35-91	5-98
23	„ Pomeranian White Globe .. .. .	33-46	5-44
24	„ Imperial Green Globe .. .. .	31-28	4-08
25	Montgomery's White Stone .. .. .	27-20	4-61
26	„ Devonshire Greystone .. .. .	27-47	5-98
27	„ Lincolnshire Red Globe .. .. .	33-46	8-16

Inspector McCulloch reports: At time of sowing the land was in splendid order, and weather favourable to good braird. As season advanced it became very wet and rather cold to admit of good growth. The whole crop was very healthy and was well cared for during the period of growth.

*Manurial and Variety Tests, conducted by A. McIntyre, Kelso.*

The land selected for the experiment was a clayey loam with a stiff clay subsoil. It was in grass for seven years prior to being broken up for this experiment in June, 1911, when it was digger-ploughed; disced twice, grubbed once, tine-harrowed four times, and rolled in 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. Challenge special turnip-manure per acre was applied. The seeds and fertilizers were sown in drills on 11th December, 1911; drills 14 in. apart. The roots were pulled and weighed on 13th May, 1912. Results:—

MANURIAL TEST.

Plot.	Manures per Acre.	Cost per Acre.	Weight of Crop per Acre		Effect of Manuring.
			Roots.	Tops.	
		£ s. d.	Tons.	Tons.	Tons.
1	Superphosphate, 1½ cwt. .. .. .	0 7 2	25-84	6-25	Gain, 15-51
2	Superphosphate, 3 cwt. .. .. .	0 14 3	31-83	5-16	„ 21-50
3	Superphosphate, 2 cwt.; bone-dust, ¾ cwt. .. .. .	0 14 0	25-84	5-16	„ 15-51
4	No manure .. .. .	..	10-33	4-89	..
5	Same as No. 3 mixture; sulphate of potash, 28 lb. .. .. .	0 17 9	25-30	7-34	Gain, 14-97
6	No. 5 mixture, 1½ cwt. .. .. .	0 8 11	25-30	2-17	„ 14-97
7	Same as No. 6 mixture; salt, 14 lb. .. .. .	0 9 2	21-22	3-98	„ 10-89
8	Albatross guano, 2 cwt. .. .. .	0 10 0	22-30	4-89	„ 11-97