

Prizewinner Yellow Globe, White Sugar, and Jersey Queen are the varieties that show up best in the competitions. From an analysis of the fourteen competitions it is found that Prizewinner constituted 58 per cent. of the crops judged, and won ten competitions and all the championships; White Sugar constituted 9 per cent. and won two competitions, and Jersey Queen 6 per cent. and two competitions; while Long Red constituted 8 per cent., but again failed to win a competition. The remaining 19 per cent. was made up of mixed varieties and a few sorts not grown extensively.

Over the whole of the competitions Prizewinner averaged 54 tons 17 cwt. per acre, White Sugar 57 tons 18 cwt., Jersey Queen 54 tons 1 cwt., and Long Red 43 tons 9 cwt. In the Feilding district Prizewinner was grown almost exclusively, and there was only one crop of White Sugar in that locality. If we exclude the Feilding figures the average weight per acre of Prizewinner is 58 tons 13 cwt.

The mangolds were grown in various-width drills, ranging from 14 in. to 30 in. Summarizing the results, 9 per cent. of the crops were grown in 14 in. drills and secured two competitions, 15 per cent. in 21 in. drills and won one competition, 14 per cent. in 24 in. drills, 8 per cent. in 26 in. drills, and 42 per cent. in 28 in. drills. All the last-mentioned three won three competitions. One crop in 18 in. drills and one in 27 in. drills each won a competition.

These figures confirm the findings of previous years—namely, that on the average the best mangold crops are grown in fairly wide drills, where the cultivation can be done thoroughly by means of the horse-hoe.

The following table gives the average weights per acre of mangold crops in the Taranaki, Wanganui, and Feilding districts for the past three seasons:—

	1920-21.	1921-22.	1922-23.
	Tons cwt.	Tons cwt.	Tons cwt.
Taranaki	51 9	56 18	54 19
Wanganui	44 1	56 18	65 19
Feilding	33 19	46 10	42 15

The averages over the three districts combined were—1920-21, 45 tons 8 cwt.; 1921-22, 55 tons 1 cwt.; 1922-23, 53 tons 12 cwt.

As in previous years, various manures have been used, and it is difficult to fix on any particular one as best. The heaviest crop in Taranaki, 84 tons 5 cwt. per acre, was grown with 4 cwt. of special mangold-manure; in Wanganui district, 93 tons 5 cwt., with half superphosphate and half bone-meal at 4 cwt. (plus salt at 5 cwt.) per acre; and the best crop in the Feilding district with basic super at 4 cwt. per acre. The main points appear to be a liberal dressing of phosphatic manure (a fair portion of which is readily available), some salt or kainit, and plenty of good cultivation.

CARROTS.

The areas of carrots in the competitions were larger than in previous years, indicating that this root is increasing in favour each year for feeding cattle and sheep.

Matchless White is by far the favourite variety grown, with Sinclair Champion next. Of the total number of crops judged,