

the rows. The mangel-wurzel and sugar beet were sown the last week in April, three rows, lengthways in each bed, and eighteen inches asunder in the rows. The chicory was sown the first week in May in rows across the beds twelve inches asunder, and six inches in the rows. The potatoes were planted in beds the second week in February. The after culture of the parsnips and carrots was merely thinning, and weeding; and the first week in August, digging between the rows, in addition to which the mangel-wurzel got two dressings of liquid manure the first week in August and first week in September. The sugar beet, I must remark, was sown in alternate beds with the different varieties of mangel-wurzel. On yesterday I had a square perch taken us of potatoes, which I left undug till then, for that purpose, of the different varieties of mangel-wurzel, of sugar beet, chicory, red and white carrots, and of parsnish. The leaves were taken off carefully, and weighed separately in the most careful manner; the roots were then taken up and weighed, and the following is the result:—

Crop.	Tops, per perch.	Roots, per perch.	Tops, per acre.	Roots, per acre.
	st. lb.	st. lb.	tns. ct.	tns. ct.
White Carrots, . . . . .	10 7	32 2	10 10	32 3
Red Carrots, . . . . .	0 0	25 0	9 0	25 0
Chicory, . . . . .	—	9 2	—	9 3
Sugar Beet, . . . . .	25 1	36 4	25 1½	36 5½
Yellow Globe Man- gel Wurzel, . . . . .	18 12	47 8	18 12-7th	47 11½
Red Globe Mangel- Wurzel, . . . . .	13 8½	51 6	13 121-7th	51 8½
Long Red ditto, . . . . .	15 3	47 5	15 4½	47 71-7th
Potatoes, (Ballygaw- ly Pinks), . . . . .	—	16 3	—	16 4½
Potatoes, (Broccoli Bank Seedlings, . . . . .	—	12 4	—	12 5½
Parsnips, . . . . .	—	26 0	—	26 0

The money value, per acre, of these roots will be about as follows:

	£ s. d.	£ s. d.
White carrots, tops, 10½ tons, at 4s per ton	2 2 0	
White carrots, roots, 32 tons 3 cwt., at 35s per ton	51 5 3	53 7 3
Red carrots, tops, 9 tons, at 4s per ton	1 16 0	
“ roots, 25 tons, at 45s per ton	56 5 0	58 1 0
Chicory. (I do not know the value.)		
Sugar beet, tops, 25 tons 1½ cwt., at 4s per ton	5 0 6	
Sugar beet, roots, 36 tons 5½ cwt., at 13s per ton	22 4 3½	27 4 9½
Yellow globe mangel, tops, 18 tons 171-7th cwt., at 44 per ton	3 15 4½	
Yellow globe mangel, roots, 47 tons 11½ cwt., at 15s per ton	35 13 7½	39 9 0
Red globe mangel, tops, 13 tons 121-7th cwt., at 4s per ton	2 14 5	
Red globe mangel, roots, 51 tons 8½ cwt., at 15s per ton	38 11 9	41 6 2
Long red mangel, tops, 15 tons 4½ cwt., at 4s per ton	3 0 19	
Long red mangel, roots, 47 ton 71-7th cwt., at 15s per ton	35 10 4	38 11 2

Potatoes, Ballygawly pinks, 16 tons 4½ at 5½s per ton	64 18 0
Potatoes, Broccoli Bank seedlings, 13 tons 5½ cwt., at 10½s per ton	61 8 9
Parsnips, roots, 26 tons, at 50s per ton	65 0 0

I have myself sold, nearly every day last week, in the Dublin market, parsnips for 50s. per ton; and I am selling red and white carrots at the prices set down above. I think the mangel-wurzel tops and roots would be value for the prices set against them to the farmer, for feeding. I know that roots have been sold at 10s. per ton, but I have myself sold mangel roots generally for 20s. per ton; but as my object here is, to compare the relative value of the sugar beet and mangel-wurzel, it will make no difference what price is set down against either. However, the returns for these crops are very great indeed; to be sure they are large crops, but I have frequently raised very much larger; but to raise large crops, large expenses must be incurred, and to say otherwise would, in fact, be no less than a fraud on both landlord and tenant; I will, therefore, give the expenses, for carrots, parsnips, &c., per acre—

	£ s. d.
Two ploughings, harrowings, and pickings	3 0 0
Thirty tons of dung at 3s. 6d. per ton	5 5 0
Carting out dung, and spreading	0 12 0
Ploughing in the dung	0 15 0
Ploughing and harrowing in spring	0 17 6
Ridging, and preparing the ground for seed	2 0 0
Seed	0 6 0
Sowing	0 3 8
After culture	1 5 0
Topping and digging	0 16 8
Delivery to market, 7s. per ton, say	10 0 0
<b>Total</b>	<b>21 0 10</b>

The cost of mangel-wurzel and sugar beet will be about £30 per acre; and of potatoes, owing to the extra expense of seed taking up, &c., will be about £34 per acre. This much however, must be considered, that on lands not suited to these roots the expense would be exactly the same, and perhaps greater; and the produce, even with good management, not, perhaps, half so much; and hence there would be no profit at all. In conclusion, I have to state, that in weighing the roots, they were cleaned fully as well as if perfectly washed. The sugar beet and mangel-wurzel were taken in a line across the fields, ridge after ridge; and the carrots (not growing in the same part of the field), have been taken off a similar soil as that on which the mangels grew.

I am, gentlemen,  
your obedient servant,  
WILLIAM KELLY.

Portrane, Nov. 5, 1851.

An English wag thus describes the seasons: Autumn—wheezy, sneezy, freezy; Winter—slippy, drippy, nippy; Spring—showery, flowery, bowery; Summer—cropy, hoppy, poppy.