

The six varieties of turnips which have produced the heaviest crops, in 1898, taking the average of the results obtained on all the experimental farms, are the following :—

		Per acre.				Per acre.	
		Tons.	Lbs.			Tons.	Lbs.
1. Purple Top Swede (2nd sowing).....	37	339		4. Sutton's Champion (2nd sowing).....	32	714	
2. Jumbo.....	34	1,445		5. Hall's Westbury.....	31	1,575	
3. Giant King.....	33	1,981		6. Perfection Swede (2nd sowing)	31	561	

An average crop of 33 tons 1,102 lbs. per acre.

The early sown plots have given this year the larger crops at Nappan, Indian Head and Agassiz, but at Ottawa there has been a slight advantage in favour of the second sowing, and at Brandon a decided advantage in this particular. The average results, however, from all the farms show a difference of 1 ton 488 lbs. per acre in favour of the first sowing.

#### TRIAL PLOTS OF MANGELS.

Eighteen varieties of mangels have been under test in 1898, all sown on drills or on the flat 2½ feet apart. Two sowings were made at each farm, the second sowing two weeks later than the first. The dates of sowing will be found in the accompanying table, the dates on which the roots were pulled were the following:—At Ottawa, 13th October; Nappan, 8th October; Brandon, 4th October; Indian Head, 11th October, and at Agassiz, 19th October.

The yield per acre in each case has been calculated from the weight of roots gathered from two rows each 66 feet long. Nos. 3 and 5, the Yellow Intermediate and Mammoth Yellow Intermediate were not sown at Agassiz for the reason that the seed was lost in transit, and the second sowing of Nos. 16 and 17, Mammoth Oval Shaped and Red Fleshed Tankard are not reported on at Brandon because the seed did not germinate.