

seed was sown on the 13th June, came up 18th June and the roots were pulled 23rd October. The yield obtained from each was as follows:—

Name of Variety.	Yield Per acre.	Name of Variety.	Yield Per acre.
	Tons. Lbs.		Tons. Lbs.
Hartley's Bronze.....	22 1,930	Marquis of Lorne.....	21 300
Carter's Elephant.....	20 1,392	Jumbo or Monarch.....	20 132
Purple Top Swede.....	20 81	Prize Winner.....	20 1,190
Mammoth Clyde.....	20 686	Selected Champion.....	21 249
Perfection.....	21 1,207	East Lothian.....	18 1,812
Giant King.....	17 687	Sutton's Champion.....	19 14
Prize Purple Top.....	19 720	Skirving's.....	18 1,712

The results of these tests all seem to point to the advantage of early sowing. The uniform test plots sown on the 8th of May, gave an average crop for the fourteen plots of 35 tons 572 lbs. per acre. The second sowing of the same, made on the 22nd of May yielded an average of 24 tons 338 lbs., while this third sowing under date of the 13th of June, a time for the sowing of turnips' approved and practised by many excellent farmers the average crop was only 20 tons 294 lbs. per acre.

EXPERIMENTS WITH MANGELS.

Seventeen varieties of mangels were tested in 1896, side by side. The land on which they were grown was adjoining that used for the test of varieties of turnips, and the soil and treatment was the same. The previous crop was experimental plots of grain. The seed was sown on drills 2 feet apart in the proportion of 3 to 4 lbs. per acre. Two sowings were made of each sort, the first on the 8th May and the second on the 22nd May, and the roots from both were pulled on 15th October. The drills were all made and rolled with a heavy land roller at the time of first sowing, but before the second set of plots was sown the surface of the drills was worked with a hand wheel hoe to destroy any weeds which had germinated.

The earliest sown plots have again given the largest yields, the average of the first sowing 8 tons 557 lbs. more than those of the second sowing. The returns given have been calculated from the weight of roots obtained from two rows each 99 feet long.

MANGELS—TEST OF VARIETIES.

Name of Variety.	Yield per Acre. 1st Plot.		Yield per Acre. 2nd Plot.	
	Tons. Lbs.	Bus. Lbs.	Tons. Lbs.	Bus. Lbs.
Mammoth Long Red (Evans).....	40 1,840	1,364	35 1,610	1,193 30
Gate Post.....	40 520	1,342	29 1,565	992 45
Golden Tankard.....	40 520	1,342	27 835	913 55
Giant Yellow Intermediate (Steele).....	39 1,255	1,320 55	31 370	1,039 30
Conquerer Prize Winner, yellow.....	38 615	1,276 55	24 1,170	819 30
Yellow Intermediate.....	38 285	1,271 25	35 1,995	1,199 55
Giant Yellow Intermediate (Pearce).....	37 635	1,243 55	24 1,555	1,089 55
Red Fleshed Globe.....	36 1,095	1,218 15	32 1,395	825 55
Warden Orange Globe.....	36 985	1,216 25	27 120	902
Red Fleshed Tankard.....	36 655	1,210 55	23 475	774 35
Giant Yellow Globe.....	35 950	1,182 30	29 1,400	990
Yellow Fleshed Tankard.....	34 1,960	1,166	24 1,170	819 30
Golden Fleshed Tankard.....	34 365	1,139 25	31 370	1,039 30
Mammoth Long Red (Webb).....	32 1,725	1,095 25	28 650	944 10
Champion Yellow Globe.....	31 975	1,049 35	28 1,420	957
Mammoth Long Red (Steele).....	30 5	1,000 5	19 1,985	666 25
Canadian Giant.....	25 1,480	858	20 1,910	698 30