

Experimental Farms.

In these tests also, early sowing has been very advantageous. The first sowing of the 17 varieties on 8th May gave an average return of 35 tons, 1,756 lbs. per acre, while the average crop of the second sowing on 22nd May has given only 27 tons, 1,999 lbs. per acre.

FIELD CROPS OF MANGELS.

These were sown in the same field with the uniform test plots of turnips. The land was similar and the manuring and treatment the same. The results were as follows :—

Mammoth Long Red (Evans).—One acre sown 8th May, came up 15th May, and the roots were pulled 17th October. Yield per acre, 22 tons 1,185 lbs.

Canadian Giant.—One acre, sown 8th May, came up 15th May, and the roots were pulled 15th October. Yield per acre, 19 tons 419 lbs.

Champion Yellow Globe.— $\frac{1}{2}$ acre, sown 8th May, came up 15th May, and the roots were pulled 15th October. Yield per acre, 18 tons 1,110 lbs.

Giant Yellow Intermediate.— $\frac{1}{2}$ acre, sown 8th May, came up 15th May, and the roots were pulled 16th October. Yield per acre, 19 tons 1,960 lbs.

EXPERIMENTS WITH CARROTS.

Twenty varieties of carrots were sown side by side on plots adjoining those used for the test of varieties of turnips. The soil and treatment of the land was the same. The seed was sown on ridges 2 feet apart at the rate of 3 to 4 lbs. of seed per acre. Two sowings were made of each sort, the first on 8th May, the second on 22nd May, and the roots from both were pulled on 15th October. After the drills were made they were rolled with a heavy land roller at the time of the 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 yield per acre has been calculated from the weight of roots gathered from two rows each 99 feet long.

The earliest sowing has again given the largest crops, the first sowing having exceeded the second by 4 tons 1,404 lbs. per acre. The 20 plots sown on the 8th May have given an average crop of 26 tons 458 lbs. per acre, while those sown on 22nd May have yielded an average of only 21 tons 1,054 lbs. per acre.

CARROTS—TEST OF VARIETIES.

Name of Variety.	Yield per Acre. 1st Plot.		Yield per Acre. 1st Plot.		Yield per Acre. 2nd Plot.		Yield per Acre. 2nd Plot.	
	Tons.	Lbs.	Bush.	Lbs.	Tons.	Lbs.	Bush.	Lbs.
Short White Vosges	35	1,665	1,194	25	25	1,810	863	30
White Belgian	31	1,470	1,057	50	20	1,250	687	30
Carter's Orange Giant (Carter).....	29	1,070	984	30	22	275	737	55
White Green Top Orthe.....	29	80	968	..	22	880	748	..
Improved Short White.....	28	1,860	964	20	24	290	804	50
Iverson's Champion.....	28	1,090	951	30	24	510	808	30
Selected White Belgian	28	1,090	951	30	22	495	741	35
Half Long White	28	760	946	..	27	1,880	931	20
Giant Yellow Intermediate	27	505	908	25	20	260	671	..
Half Long Chantenay	27	110	918	30	22	1,870	764	30
New Giant Intermediate	26	1,845	897	25	21	1,890	731	30
Mammoth White Intermediate.....	26	1,790	896	30	24	1,555	825	55
Giant White Vosges.....	24	1,830	830	30	20	315	671	55
Early Gem	24	840	814	..	21	295	704	55
Guerrande or Ox-heart.....	24	565	809	25	22	1,870	764	30
Carter's Orange Giant (Pearce).....	24	180	808	..	18	685	611	25
Henderson's New York Market	23	585	776	25	18	960	616	..
Scarlet Intermediate.....	20	1,305	688	25	17	980	583	..
Long Orange or Surrey.....	17	650	577	30	15	1,350	522	30
Long Scarlet Altringham.....	16	1,880	564	40	16	1,660	561	..