

Experimental Farms

EXPERIMENTS with Fertilizers on Roots ; Plots of Mangels and Turnips—*Concluded.*

No. of Plot.	Fertilizers applied each Year.	AVERAGE YIELD FOR SEVEN YEARS.		8TH SEASON, 1896. VARIETIES.		AVERAGE YIELD FOR EIGHT YEARS.	
		Mangels, Weight of Roots.	Turnips, Weight of Roots.	East Plot.	West Half Plot.	Mangels, Weight of Roots.	Turnips, Weight of Roots.
				Mangels, Mammoth Long Red: Weight of Roots.	Turnips, Purple Top Swede: Weight of Roots.		
		Per Acre.	Per Acre.	Per Acre.	Per Acre.	Per Acre.	Per Acre.
		Tons. lbs.	Tons. lbs.	Tons. lbs.	Tons. lbs.	Tons. lbs.	Tons. lbs.
10	Nitrate of soda, 300 lbs. per acre . . .	14 422	7 1,250	17 720	15 1,690	14 1,209	8 1,305
11	Sulphate of ammonia, 300 lbs. per ac.	11	8 1,674	15 1,450	18 780	11 1,181	10 62
12	Unmanured	7 877	6 1,226	9 830	9 1,170	7 1,377	6 1,968
13	Bone, finely ground, 500 lbs.; wood ashes, unleached, 1,000 lbs. per acre	10 673	7 217	11 1,620	14 1,800	10 1,041	8 165
14	Wood ashes, unleached, 2,000 lbs. p.ac	11 1,790	7 536	9 240	12 1,580	11 1,096	7 1,916
15	Common salt (Sodium chloride) 400 lbs. per acre	10 1,074	7 147	6 1,240	10 1,060	10 95	7 1,011
16	Mineral superphosphate, No. 1, 500 lbs.; nitrate of soda, 200 lbs. per ac.	13 1,822	10 181	12 1,960	14 700	13 1,589	10 1,226
17	Mineral superphosphate, No. 1, 500 lbs.; wood ashes, unleached, 1,500 lbs. per acre	12 1,367	8 1,688	12 1,750	15 130	12 1,415	9 1,243
18	Mineral superphosphate, No. 1, 500 lbs.; muriate of potash, 200 lbs. p.ac.	12 1,287	9 1,418	10 250	16 340	12 657	10 1,033
19	Double sulphate of potash and magnesia, 300 lbs. per acre in 1889 and 1890; (muriate of potash, 200 lbs., substituted each year since); dried blood, 250 lbs.; mineral superphosphate, No. 1, 500 lbs. per acre	14 961	10 458	12 1,220	19 1,320	14 493	11 816
20	Wood ashes, unleached, 1,500 lbs.; common salt (Sodium chloride) 300 lbs. per acre	14 1,935	9 1,405	12 1,980	16 580	14 1,440	10 1,052
21	Mineral superphosphate, No. 2, 500 lbs. per acre	15 1,555	9 1,398	13 300	19 680	15 898	10 1,808

CARROT PLOTS.

Carrots have been sown on alternate halves of the oat plots for the past six years, for the purpose of cleaning the land from weeds. This work was begun in 1891, and the plots have been sown each year with the variety known as the Improved Short White. In 1896, carrots occupied the west half of the plots. The seed was sown 5th May, came up 14th May, and the roots were pulled 19th October. The crop this year on all the plots excepting No. 1 was below the average of the preceding years.