gain in sound tubers from the use of the Bordeaux mixture is shown, the ican Department of Agriculture does average gain per acro being 2 tons 1 not give any fresh information about owt.

ly, a mixture of nitrate of soda, superphosphate of lime, and kainit-gave the heaviest and most remunerative result. The average yield per perch, on four perches each, was,-

	cwt	qrs	lb	
No manuro		2	1	0
Farmyard	2	1	2	17
Complete Chemical	2	1	15	c

Experiments with different qualities of manure proved that the crop was increased by increasing the manure and the heavier dressing of 12 cwt. to the acre of complete chemical manuro was romunerativo. It was further demonstrated by another series that One cargo of cattle landou as the demonstrated by another series that Castle and another at Deptford has neither nitrogen, potash or phosphates each been found to contain an animal the manure each been found to contain an animal neither nitrogen, potash or phosphates could be omitted from the manure without loss. Deep cultivation in the preceding autumn yielded, on three plots, a considerably increased crop

At the fields station on the Boreham roud, twenty four varieties were planted with the plough, in 2¹/₀ acro sections, on the same 1 ind, and were similarly treated. Appended is a table showing the results obtained.

The total crop of sound and diseased tubers raised on the twenty-four plots (1 a. 0r. 32 p.) was 16 tons 6 cwt., equal to 13 tons 12 cwt. per acre, and the relative productiveness of the different sorts is shown in the first column of the subjoined table. The gain or loss from spraying, calculated from the weights of sound tubers on the sprayed and unsprayed portions of each plot, is given in the second and third columns. The percentage of diseased tubors on the sprayed and unsprayed are as of the plot is also added :-

The November report of the Amervt. Complete chemical manure — name-tity of which there is a wide difference of opinion. The yield of maize is put at 19.7 bushels per acre, or less than that of any year since 1881. In 1893 that of any year since 1881. In 1893 the wheat crop, concorning the quan-

that of any year since 1881. In 1893 it was 22 6; in 1892 22.4; and in 1891, 26 6 bushels per acre. The yield of potatoes is estimated at 62.3 bushels per acre, or nearly ten bushels less than last year's erop. The tobacco orop appears to have turned out well, 733 lb per wear bing the currence on 733 lb. per acro being the average, as compared with last year's yield of 695.3 lb.

We hear that within the past few days two consignments of pleuropneumonia have reached English ports from the United States of America. affected with the disease in a most pronounced form, and it is expected that as slaughter of the remaining animals proceeds others may be discovored to exist.

A nice little estate.-Sir Watkin Williams Wynn, of North Wales, 18, with his wife's property added in, the owner of 137,025 acres of land; in addition to which trifling property, he enjoys manorial rights over the manors of Arwystley, Cyfeiliog, and Talerddig, covering some 180,000 acres. The rents of this estate do not amount to much, as 64,819 acres are rough mountain land, only \$227,-290 a year, and as Sir Watkin has to keep a pack of hounds, and to subs-cribe to various societies, clubs, and charities, to say nothing of keeping up a large establishment at Wynnstay and an expensive town-house, he cannot, poor fellow, be a rich man l

VARIETIES OF PUTATUES AND RESULTS OF SPRAYING.

Variety.	Fotal crop per acro.		لاستنب سرا		spraying. Loss por acro of sound tubers	
1 Sirius	$\begin{array}{c} 18\\ 16\\ 15\\ 15\\ 15\\ 15\\ 15\\ 14\\ 14\\ 14\\ 14\\ 14\\ 12\\ 12\\ 12\\ 12\\ 12\\ 11\\ 11\\ 10\\ 9\\ \end{array}$	cwt. 13 4 1 18 13 0 0 15 11 8 6 3 2 15 16 15 2 1 18 7 0 18 15 15 15 15 15 15 15 15 15 15	101 552 321 1232112030 20011 20011	3 3 15	tons cwt.	

"Welsh Land Commissionner" would go to prove; we condense, of course . In one parish on the Glanllyn estate, there are seven families who have averaged 2321 years on their respec-tive holdings; in another parish, three families with an average of 333 years.

No need to ask for legislation giving security of tenuro" on such a country-side as this. And there are lots of small farms, varying from 5 to 25 acres; so that the industrious plough-man, shepherd, and other labourers, could have no difficulty in finding a chance to rent a farm, were it not for the portinacity with which the tonants stick to their holdings.

Variation of prices. - Talk of the fall of prices in the wheat-market; why, that is a more triffe compared with the fall of prices in the cotton-trade! In 1814, a fow months provious to the Battle of Waterloo, American Upland cotton sold, at Liverpool, for 70 cents a pound; the same quality can now be bought at the same port for 6 cents a pound !

Nitrate of soda is now worth £ 9 a gross ton at Liverpool. This is equal to about \$40 00 per 2,000 lbs, which makes nitrogen in England worth $12\frac{1}{2}$ cents a pound.

Superphosphate of lime will be very low in price next spring—in England, not here we fear. – High grade Florida phosphate rock has fallen considerably, owing to low Atlantic freights.

Kainit is only worth some \$10.00 a ton of 2,000 lbs., in bags, f. o. b. at Liverpool. As the dose per acre is only from 400 to 500 pounds, it cannot be called a costly dressing in England. What it can be had for here is another thing.

Bone-dust or meal, is to be had here at a reasonable price : perhaps \$28.00 per 2,000 lbs. is about the figure. Will any one try an acre of swedes this next season with

- 400 lbs. bone-dust; 200 " nitrate-ofsoda; 200 " superphosphate of lime. Cost, \$9,00

No dung ; therefore no extra weeds.

To Make a Pound of Gain.-Prof. Sanborn found on an average a certain amount of food was required for pige weighing 35 lbs; 3.3% more food was required to make the same gain on pigs weighing 70 lbs; 14 % more on pigs weighing 125 lbs; 19 % more on pigs of 175 lbs; 22 % more on hogs of 225 lbs and so on up until 71 γ_0 more feed was required on hogs weighing 325 lbs. The period for most profitable hog feeding is before 200 lbs weight is attained.—F. & N.

Foreign Potatces of the Scotch Magnum variety are in transit and expected to arrive in New-York this week. This will be the first consignment this season from Great Britain. The competition of foreign grown potctoes has been considerable in former short crop years, of course affecting chiefly the seaboard and large interior markets. Total imports of rotatocs, largely from Canada, were 2,507,000 bu during the first 7 months of this ware compared with 3 571000 of this year, compared with 3,571,000 bu for the corresponding period one year ago. For the fiscal year ending June 30 the total imports from all

SOREL.

Not having had an opportunity of visiting the City of Sorel for a year, and being desirous of seeing how-our old friends there were getting on, we left Montreal by the Three-Rivers on October 9th, and were safely landed at the port of our destination the same evening, but too late to see anything of the farms till the next morning.

On the 10th, we began our tour of inspection with a visit to our old friend and pupil, M. Seraphin Gudvremont, whom wo found, as usual, hard at work among his crops. As we had sent him, in the previous spring, a few bushels of Prize-cluster oate, we naturally sought information as to their yield and quality. They had, we were glad to learn, turned out remarkably well, in both points, having pro-duced at least 20 % more to the ar-pent than our favourito Black. Tartars; which, by the bye, shows the advantuge of a change of seed, though it is very hard to get this idea into the heads of the Sorelois, who generally keep on sowing their home-grown seed year after year without change. And the effect of this persistent repet-ition is emphatically visible in the case of potatoes in this district : all the large and middle sized tubers are sold or consumed at home, and the "chats," as the small ones are called in the S. E. of England, are used for seed instead of being given to the stock.

We, therefore, were very glad to find that a couple of bushels of Early Puritan potatoes that Mr. Evans, by our instruction, sent to M. Guè-vremont, had yielded very well in-deed; not that this kind can even be expected to turn out such orops as the Beauty of Hebron or the Early-rose, for it is, like all earlies, a small sort; but the tubors were very regular in size, very few eyes and those unobtrusive, and with an excessively smooth skin. Trying a few by care-ful cooking, a day or two ago (Nov-ember 25th) we were confirmed in our opinion that the Early Puritan, like the Ash-leaved kidney, is to be used in accordance with its natural gifts : not to be eaten after the end of July. M. Guèvremont does not grow so many potatoes now as he used to grow, and he is quite right, for, with all its good qualities, the Sorel sand does not turn out a good sample of potatoes, and, owing to the nearness of the water to the surface, if there is any disease about, the Sorel potatoes invariably suffer from it acutely.

The general root crop on the farm was, as it invariably is, superb : it al-ways does our heart good to see it. The swedes, of which there were about six acres, were as regular in plant as swedes can be; singled out about ten inches apart in the rows, and two feet between the drills. This would give about 26,000 plants to the imperial acre, and as many of the swedes weighed 9 lbs., topped and tailed, and there was apparently not one less than 3 lbs., the number of tons to the acre must have been pretty large. Allowing for some late-sown ones, and making all proper deductions for miss-plants-for however regular the plant may appear to be there are always some