

saccharine value of the beet. I may here state that during the years 1875 and 1876, the prices of sugar came down with a crash, from over-production and other causes too long to explain, but the prices have again risen from 40 to 50 per cent. Whatever may be said against our cold climate, it possesses an invaluable advantage to the beet sugar manufacturers, who, there would be quite sure that from the 15th of October to the first of May, there would be no danger of the beets growing, if placed properly in well ventilated out-door cellars. This is really an immense advantage which few beet-growing countries possess; it shows once more the truth of the old saying: "It's an ill wind, indeed, which blows nobody good"—and taking a still higher view of the subject, it reminds us again that the Creator's works are all eminently wise, and eminently useful, too, if man can understand their full value.

Now, I need not tell you that ordinary beets grow well here, everywhere, in properly cultivated soil which can produce good hay and grain crops. But perhaps few farmers are aware that sugar beets also do remarkably well here. Hundreds of reports have reached me this year, in my official capacity, from forty different counties, all of them quite satisfactory with perhaps one or two exceptions only. But what caused me some surprise is the fact that so many report the sugar beet as easier grown and with more satisfaction, in every way, than even the hardy mangold wurzel. As to feeding qualities, there seems to be no doubt that a ton of good sugar beets is fully worth two tons of mangolds, and yet I have many returns showing a produce of from 30 to as much as forty tons per acre of good sugar beets. So much for their profitable cultivation in Canada.

It is a fact, admitted by all manufacturers of sugars, that the beet root has a greater value in proportion to the quantity of sugar it contains, and to the higher degree of purity of the juice which it gives. Thus, putting the commercial

VALUE PER TON OF SUGAR BEETS CONTAINING 9 PER CENT. OF SUGAR

				at	
in the juice with a purity of.....				85.7	\$3.72
9 per cent. of sugar				66.6	would be worth 2.72
10	"	"	"	87.	4.54
10	"	"	"	70.	3.47
11	"	"	"	88.	5.54
11	"	"	"	71.6	4.52
12	"	"	"	89.	6.37
12	"	"	"	72.1	5.39
13	"	"	"	89.6	7.27
13	"	"	"	74.	6.26

by which it clearly appears that a careless farmer will produce beet hardly worth \$2 a ton, for many beets do not contain 9 per cent. of sugar whilst the careful producer, who follows the dictates of experience, will produce beets worth over \$8 a ton for the production of sugar.