## Beet Root Sugar.

"the per seniage of sugar produced depends a entirely on the quality of the beet, the na-ture of the soil which produced it, the sys-"tem of cultivation adopted, the state of "preservation the beet may be in when "preservation the beet may be in when "worked, and the mode employed for the "extraction of the saccharine juices. The "quantity of sugar contained in the best "beets varies from 1210 18 per cent; but ma-"nufacturers consider that they have been "quite successful, if they can obtain an "average of eight per cent of sugar. (besides from Mr. Barnard's Report :-

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a small per centage of molasses) as the "final result of one years work, On the "other hand when they cannot extract more "other hand when they cannot can also have "than five per cent of sugar from the total "weight of the beets worked, they consider "their work as unprofitable. However, the "excise which manufacturers of sugar gen-"erally pay in Europe, must affect consi-derably this incidental question of profit and "loss."

The following further extracts are taken

## 1. PRODUCTION OF BEET ROOT SUGAR IN EUROPE.

See "Fabrication du Sucre de Betterave." (Translation from the German.)

Year.	Total production in tons.	Average for each Manufacturer.		Number of Factories	Remarks.			
1866-07	France216,854	499 t	tons.	434	All fractions are omitted.			
64 EE	Germany202,550	685	"	296	The total production of beet			
ei si	Austria103,000	544	**	140	sugar in Europe has nearly doubled within the last			
1806-06	Russia149,000	<u> </u>	"	259	ten years. For Russia and Belgium the			
- 1807-05	Belgium 40,000	\$ 370	"	108	amounts mentioned here can truly be doubled to			
4	Holland 5,79	355	u	18	obtain the present produc- tion.			
A 1806-07	Poland 15,000	276	"	41				

## GRADUAL INCREASED PRODUCTION OF BEET SUGAR, &C., IN GERMANY (ZOLLVEREIN.)

(Extract from U.S. Agricultural Report, 1863, page 161.)

									_
			beets gar,	Yield of		Av'ge ♥ factory		я.	to to uts.
Year.	ber of ries.	Tons of beets worked. 2,100 ths \$ton.	of su	ar.	ses.	eets worked.	Sugar ced.	Consumption per <i>capita</i> .	nal H paid
	Number c Factories,	,	Weicht for 1 #	Raw Sugar.	Molasses.	Beets wor	Raw Sugar produced,	Const	Internal Re nue paid t Government
			tbs.	p.c.	p.c.	tons.	tons.	tbs:	\$
1836-37 1839-40	<b>7</b> 122 152	27,880 242,310	$18.00 \\ 17.40$	5.50 5.75	4.30 3.80	$228 \\ 1,594$	13 92	3.99 5.10	None. None.
1840-41 1845-46	145 96	265,635 245,030	17.00 14.70	$5.88 \\ 6.60$	3.77 3.10	1,833 2,552	$108 \\ 174 \\ 0.00$	$4.69 \\ 5.60$	28,173 155,918
1850-51 1855-56	184	809,836 1,201,185	13.80 12.50	7.25	2.70 2.35	4,401 5,061	319 445	$\begin{array}{c} 6.01 \\ 7.10 \\ 8.32 \end{array}$	1,030,701 3,057,572 5,136,955
186061 186566 1866 <b>0</b> 7	1 247 295 296	1,614,472 2,389,853 2,789,199	$11.60 \\ 11.70 \\ 12.60$	8.62 8.55 7.94	$2.15 \\ 2.70 \\ 2.45$	6,534 8,101 9,423	563 692 748	0.32 10.69 9.00	7,304,230 8,874,724
1000-01	490	2,189,199	12.00	1.84	2.40	0,440	110	0.00	0,011,141

"For nearly 25 years every encouragement "For nearly 20 years every encouragement was given by the different governments in Europe to foster the production of beet sugar, with the object of increasing the agricultural productions of the country, im-proving the system of agriculture and the value of property. No internal rew whatever was charged in Germany No internal revenue until whatever was charged in Germany until 152 factories had been established, with an annual production of about twenty-eight sugar factories. I ascertined that sugar million pounds of sugar. In 1840 a tax of about 11 cents per ton of beets worked, was collected from the manufacturers—the fol-towing year the tax; was doubled—in 1844, 66 about 12 cents per ton of beets worked and the follower of the sugar factories. I ascertined that sugar the sugar factories is a secret in the sugar factories is a secret in the sugar to \$4 only per acre, previous to the establish-ter for \$19 to \$21. The labor bestowed on

cents per ton of beets worked were charged; in 1850 it was increased again to \$1.20; in 1853 to \$2.40, and finally in 1858 to about \$3.50

"Our top about the price paid to the farm-ers for the beets. "During my stay on the continent, parti-cularly in Belgium, I made careful enqui-ries with relation to the increased value of

YEAR BOOK AND ALMANAC OF CANADA FOR 1873.