

TABLE showing approximately the Quantities of Beets used in the Manufactories of the Zollverein, Germany—production. the Products extracted, and Rate of Taxation, from 1840–41 to 1865–66.

Year.	Number of Factories.	Beets used, tons.	Raw Sugar, tons.	Molasses, tons.	Tons of Beets to a Ton of Sugar.	Sugar, per cent.	Molasses, per cent.	Total yield, per cent.	Tax on roots per ton. Dolls.
1840	145	241,486	13,445	8,955	18	5·55	3·7	9·25	·12
1845	96	222,754	14,850	6,905	15	6·67	3·1	9·77	·71
1850	184	736,215	52,586	19,877	14	7·14	2·7	9·84	1·42
1851	234	914,495	60,966	27,434	15	6·67	3	9·67	1·42
1858	257	1,833,427	146,674	45,835	12·5	8	2·5	10·50	3·56
1860	247	1,467,701	126,526	35,224	11·6	8·62	2·4	11·02	3·56
1861	242	1,584,619	122,833	38,050	12·9	7·75	2·4	10·15	3·56
1862	247	1,835,663	138,042	44,055	13	7·52	2·4	9·92	3·56
1863	253	1,999,576	151,180	47,989	13·2	7·55	2·4	9·95	3·56
1864	270	2,079,729	165,978	49,913	12·4	7·98	2·4	10·28	3·56
1865	300	2,106,000	180,000	50,544	11·7	8·54	2·4	10·94	3·56

In a memorandum written by Mr. F. A. Krull, German Consul in this city, in 1871, that gentleman says,—

There are now 296 beet-root sugar manufacturers at work on the Zollverein. The beet-root sugar now pays a duty equal to 10s. per cent.: but it is by no means protected; on the contrary, the duty is in favour of unrefined sugar imported from the colonies, inasmuch as the residue syrup from that sugar is considerably higher in value than that left from the beet-root.

Steadily and surely has this industry increased, until it is now one of the most productive the States possess; and not only does it yield a revenue of £2,000,000, but it creates a demand for labour to the same amount, and returns to the soil as nearly as possible an equivalent in manure and stock-carrying capacity. Besides, it has imparted to land, before almost unproductive, an immense value, and opened up a field for the profitable employment of a very large capital.

The *Sugar Cane*, a periodical to which I have already referred, gives the following return, as the estimated crop of beet-root sugar on the Continent of Europe for the season 1875–76, as compared with the four previous periods:—

	1875–76.	1874–75.	1873–74.	1872–73.	1871–72.
	Tons.	Tons.	Tons.	Tons.	Tons.
France...	475,000	450,877	396,578	408,649	335,351
Germany (Zollverein) ...	305,000	250,579	288,972	258,663	189,166
Austro-Hungary ...	170,000	121,520	169,250	214,107	161,527
Russia and Poland ...	150,000	130,000	150,000	150,000	90,000
Belgium ...	75,000	71,079	70,366	75,978	72,236
Holland and other Countries	30,000	30,000	35,000	35,000	25,000
Total ...	1,205,000	1,054,055	1,110,166	1,142,397	873,280

For the returns of the years 1867 to 1870 I am indebted to a statement made by Mr. Caird before the Society of Arts in 1871. The quantities for 1867, 1868, and 1869 are ascertained, those for 1870 estimated:

	1867.	1868.	1869.	1870.
France ...	224,767	213,904	285,146	300,000
Germany ...	165,014	208,140	215,407	250,000
Austria ...	124,068	101,601	152,205	175,000
Russia and Poland ...	112,500	87,500	132,500	135,000
Belgium ...	31,039	37,078	43,552	50,000
Holland, Sweden, and Italy ...	7,500	10,000	12,500	15,000
Totals ...	664,888	658,223	841,310	925,000

When you notice these returns, and compare them with the following statement of the production of beet sugar by the manufactories in Europe for the