



CANADA

THE SUGAR REFINING INDUSTRY

1953

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries. \$1.50
- II—The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 25¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 25¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
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- VII—Textiles
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- X—Iron and Steel Products
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- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—Miscellaneous Manufactures

The present report belongs in Part III, Foods and Beverages. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A—General Review, 25¢
- B—The Slaughtering and Meat Packing, and Sausage and Sausage Casings Industries, 25¢
- C—The Dairy Products Industry, 25¢
- D—The Fish Processing Industry, 25¢
- E—The Fruit and Vegetable Preparations Industry, 25¢
- F—The Flour Milling Industry, 25¢
- G—The Prepared Breakfast Foods Industry, 25¢
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- N—The Wine Industry, 25¢
- O—The Confectionery Industry, 25¢
- P—The Sugar Refining Industry, 25¢
- Q—The Macaroni and Kindred Products Industry, 25¢
- R—The Miscellaneous Food Preparations Industry, 25¢
- S—The Canned Foods Summary, 25¢

THE SUGAR REFINING INDUSTRY

1953

Beginning in 1952, the Bureau changed its policy with regard to the collection of statistics on the production of manufactured goods. Firms in several industries, were requested to report value of shipments f.o.b. plant as well as gross value of production. This changeover should result in better consumption data and should, eventually, provide industry with better statistics for economic analysis.

There was a general decrease in factory selling prices in the Sugar Refining Industry in 1953. At the same time, costs of raw materials and wages were reduced. Gross value of shipments amounted to \$117,952,452, a decrease of eleven million dollars or 8.6%. Cost of raw materials totalled \$79,588,400, a drop of nearly fourteen million dollars or 15%, while the \$10,958,086 paid out in salaries and wages is less by \$86,495, or only .8%. The decrease in prices was accompanied by a slight decrease in volume of production. The decrease in sugar produced was 5% and in molasses nearly 12%. However, volume of shipments from plant rose by 1.3%, and this increase when viewed with the 8.6% drop in dollar value of shipments reveals a marked decrease in the factory price of sugar. The increase in volume of shipments is confined to sugar made from beets, while the lower price is common to both, with cane sugar decreasing .6 cents to 8.0 cents per pound and beet sugar dropping .8 cents to 8.9 cents per pound at the factory. See table 3.

The refineries in the present report are located provincially as follows: Nova Scotia 1, New Brunswick 1, Quebec 3, Ontario 2, Manitoba 1, Alberta 3, and British Columbia 1. Since 1943

several plants were shut down and their operations pooled with other refineries in the vicinity. This was due to the limited amount of raw sugar available as well as shortage of labour.

Special attention should be given to the production of beet sugar which is dependent on weather conditions and as a result fluctuates widely from year to year. The production of sugar from beets depends not only on the quantity of beets harvested but also on the amount of sucrose in the beets. The year of highest beet sugar production was in 1950 when the number of acres of sugar beets harvested were the highest on record. The percentage of beet sugar to total sugar produced in Canada was 18.2% in 1953. The highest ratio ever reached was in 1942 when 23.6% of all sugar was made from beets. During the war years, when consumption of sugar was under control, the percentage of beet sugar to total sugar produced was higher than in previous years. After the war, when ships again became available for bringing in raw cane sugar, this percentage dropped.

Detailed statistics of production, materials used, employment, etc., are given in the tables following. In order that there should be no disclosure of statistical information of individual plants, statistics are prepared for the Dominion only. On page 9 charts show (a) the production of cane and beet sugar, and (b) consumption of sugar by industries. For the first time in five years, firms were requested in 1953 to report Power Equipment and Fuel Consumption. The results of this survey are shown in tables 13 and 14, together with comparable data for 1948.

TABLE 1. Principal Statistics of the Sugar Refining Industry, 1917-1953

Year	Establishments	Capital Invested	Employment	Salaries and Wages	Cost of Materials Used	Gross Value of Production ¹
	No.	\$	No.	\$	\$	\$
1917	8	31,818,133	2,527	2,324,828	53,179,911	61,429,787
1920	8	46,719,034	3,118	4,632,814	103,689,088	119,086,731
1925	8	50,089,717	2,784	3,828,442	54,457,385	68,445,879
1929	8	43,534,113	2,325	3,686,037	35,640,125	47,151,960
1933	8	35,758,074	2,092	3,048,817	22,846,473	37,189,960
1934	8	33,151,249	2,080	2,919,662	24,099,994	36,007,208
1936	10	33,199,993	2,559	3,413,698	27,924,998	40,405,377
1938	10	36,347,866	2,318	3,315,633	28,838,685	41,392,096
1939	10	40,511,884	2,399	3,467,367	33,728,967	49,896,763
1940	11	42,966,073	2,538	3,623,661	42,150,263	57,274,122
1941	11	43,915,168	2,642	3,834,639	46,067,190	62,402,709
1942	11	45,232,672	2,326	3,772,431	33,283,971	45,969,711
1943	10	44,144,876	2,274	4,068,473	38,613,832	51,239,749
1944	11	—	2,590	4,576,060	48,033,547	63,874,868
1945	11	—	2,713	4,860,264	46,518,380	61,821,443
1946	11	—	2,633	5,010,789	45,900,913	61,181,621
1947	11	—	3,003	6,309,481	63,883,259	80,194,369
1948	11	—	3,267	7,662,318	88,031,106	113,510,547
1949	11	—	3,587	8,842,783	90,172,181	116,767,430
1950	12	—	3,919	9,535,834	109,713,103	144,872,567
1951	12	—	3,562	10,272,939	107,540,497	139,109,277
1952	12	—	3,492	11,044,491	93,303,708	129,038,298 ²
1953	12	—	3,388	10,958,086	79,588,400	117,952,452 ²

1. Excise taxes are not included for 1933 and succeeding years.

2. Beginning in 1952, the gross value of production is replaced by gross value of shipments, f.o.b. plant. (See text above)

TABLE 2. Comparison of Principal Statistics, 1952 and 1953

Items	1952	1953	+ Increase - Decrease
Refineries No.	12	12	-
Employees on salaries:			
Total No.	586	583	- 3
Male No.	486	478	- 8
Female No.	100	105	+ 5
Total salaries \$	2,513,602	2,697,639	+ 184,037
Employees on wages - (monthly average):			
Total No.	2,906	2,805	- 101
Male No.	2,640	2,538	- 102
Female No.	266	267	+ 1
Total wages \$	8,530,889	8,260,447	- 270,442
Cost of fuel and electricity \$	2,689,768	2,642,586	- 47,182
Cost of materials used \$	93,303,708	79,588,400	- 13,715,308
Gross value of shipments \$	129,038,298	117,952,452	- 11,085,846
Value added by manufacture ¹ \$	33,044,822	35,721,466	+ 2,676,644

1. Value of shipments less cost of materials, fuel and electricity.

Note. Profits or losses cannot be estimated from census figures as no data are collected for certain items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

Production and Shipments in Sugar Refineries.

Table 3 gives the production and shipments of sugar and its by-products by class for 1952 and 1953. Production of all types of sugar in Canadian refineries was lower in 1953 by nearly seventy-two million pounds. Shipments, however, in-

creased by nearly eighteen million pounds but the value of shipments decreased by ten million dollars. Molasses decreased in both production and shipments by 5,449 tons and 2,621 tons respectively, with a marked decrease of \$554,469 in value of shipments.

TABLE 3. Production and Shipments of Sugar and By-Products

	1952			1953		
	Production	Shipments		Production	Shipments	
	Quantity	Quantity	Value of shipments	Quantity	Quantity	Value of shipments
			\$			\$
Sugar:						
Made from cane lb.	1,122,877,120	1,118,483,813	99,206,146	1,103,991,323	1,108,462,248	88,449,052
Made from beets "	298,245,300	256,976,478	25,023,261	245,476,088	284,899,600	25,474,862
Total sugar "	1,421,122,420	1,375,460,291	124,229,407	1,349,467,411	1,393,361,848	113,923,914
Granulated "	1,211,115,152	1,169,198,858	104,960,982	1,140,409,177	1,187,800,474	96,812,324
Yellow or brown "	125,176,193	126,067,934	10,925,303	125,029,455	123,609,259	9,529,497
Pulverized (no starch added) "	4,937,768	3,450,571	338,423	5,297,500	3,512,825	300,246
Icing (starch added) "	67,797,869	64,965,501	6,616,130	66,676,311	66,598,855	6,024,617
Loaf "	12,095,438	11,777,433	1,388,569	12,054,968	11,840,435	1,257,230
Syrups (not including molasses) "	9,026,000	8,956,000	867,679	9,374,000	9,670,000	872,884
Molasses:						
Made from cane "	19,710,000	19,272,000	330,832	14,998,000	17,126,000	268,417
Made from beets "	72,492,000	67,000,000	1,156,933	66,306,000	63,904,000	664,879
Total molasses "	92,202,000	86,272,000	1,487,765	81,304,000	81,030,000	933,296
Beet pulp, wet or dried tons	155,412	108,509	2,453,447	186,719	136,543	2,222,358
Other products "	-	-	-	-	-	-
Total value of shipments "	-	-	129,038,298	-	-	117,952,452

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Production of Sugar Beets and Beetroot Sugar

The number of acres of sugar beets harvested, the total yield and average yield per acre and the total value of the crop delivered at the factory are shown in Table 4 for the years 1918

to 1953. Acreage of sugar beets harvested in 1953 was 10,636 acres less than 1952. The total yield decreased by 122,544 tons and the total value of the crop by \$3,171,000.

TABLE 4. Area, Yield and Value of Sugar Beets in Canada and Production of Refined Beetroot Sugar Compared, 1918 to 1953

Year	Acres Harvested	Total Yield	Yield per Acre	Total Value	Average Price Per Ton	Refined Beetroot Sugar			
						Quantity Produced	Total Value	Average Value per Lb.	Percentage to Total Sugar
	No.	Tons	Tons	\$	\$	lb.	\$	Cents	
1918	18,000 ¹	204,000	11.25	2,593,715	12.71	50,092,835	4,358,077	8.70	7.7
1919	18,600 ¹	180,000	9.50	2,630,027	14.61	37,839,271	3,924,411	10.70	3.7
1920	34,491 ¹	343,000	9.94	5,307,243	15.47	89,280,719	12,846,424	14.40	11.4
1921	25,535 ¹	199,334	7.80	1,974,384	9.90	52,862,377	3,554,203	6.70	6.7
1922	14,995 ¹	127,807	8.55	1,966,521	7.56	29,911,770	1,645,885	5.50	2.6
1923	17,941 ¹	159,200	8.87	1,922,668	12.08	39,423,160	3,745,200	9.50	4.7
1924	31,111 ¹	295,177	9.50	1,704,791	5.78	85,770,709	6,192,645	7.30	9.8
1925	34,803 ¹	370,047	10.63	2,688,302	7.27	72,819,919	5,206,624	7.15	6.2
1926	30,073 ¹	267,754	8.90	2,286,761	8.54	70,388,105	4,269,076	6.06	6.2
1927	25,961 ¹	206,713	7.96	2,012,134	9.73	60,969,131	3,719,117	6.10	7.0
1928	34,323 ¹	244,930	7.14	2,041,465	8.33	64,653,348	3,340,571	5.17	7.4
1929	32,556 ¹	235,465	7.23	2,080,996	8.84	69,399,213	3,335,344	4.81	10.0
1930	40,532 ¹	397,576	9.81	3,278,625	8.25	94,624,701	4,529,944	4.79	10.7
1931	43,337 ¹	435,992	10.06	3,190,198	7.32	107,139,129	4,794,551	4.48	14.0
1932	44,817 ¹	505,671	11.28	3,113,942	6.16	132,016,859	5,789,205	4.38	15.1
1933	43,807 ¹	442,391	10.10	2,790,928	6.31	131,392,501	5,713,181	4.35	12.8
1934	38,495 ¹	412,672	10.72	2,599,982	6.30	114,002,950	4,714,624	4.14	12.4
1935	51,985 ¹	459,223	8.83	2,881,098	6.27	119,857,668	4,617,733	3.85	14.3
1936	50,444	555,969	11.02	3,510,922	6.31	156,066,242	6,103,264	3.91	11.7
1937	43,758	422,152	9.65	2,825,006	6.69	120,440,235	5,230,971	4.34	13.7
1938	45,194	498,102	11.02	3,403,635	6.83	143,013,847	6,001,380	4.20	14.6
1939	57,316	586,444	10.23	4,417,372	7.53	169,320,343	8,063,332	4.76	18.5
1940	77,548	825,344	10.64	6,022,670	7.30	213,602,511	10,853,665	5.08	17.6
1941	63,925	708,616	11.08	5,781,151	8.16	215,879,271	11,639,825	5.39	23.6
1942	62,381	701,884	11.25	6,434,517	9.17	189,066,870	11,349,746	6.00	14.8
1943	52,693	474,378	9.00	4,592,240	9.68	129,268,010	8,728,995	6.75	16.2
1944	55,020	564,927	10.27	5,598,383	9.91	165,318,840	11,281,052	6.82	16.7
1945	59,273	618,790	10.44	6,192,942	10.01	163,837,790	11,198,989	6.84	21.4
1946	66,869	735,849	11.00	8,030,859	10.91	205,779,800	14,022,621	6.81	14.4
1947	58,832	605,741	10.30	8,517,159	14.06	156,262,700	13,208,824	8.45	12.9
1948	60,065	629,206	10.48	9,286,676	14.76	175,641,250	15,663,858	8.92	16.2
1949	84,100	858,739	10.21	11,913,620	13.87	224,853,992	20,232,100	9.00	19.6
1950	102,000	1,119,000	10.97	18,343,000	16.39	300,185,390	30,845,292	10.28	18.9
1951	93,140	965,467	10.36	14,443,000	14.96	247,753,449	26,445,879	10.67	20.9
1952	92,588	1,022,883	11.05	15,493,000	15.15	298,245,300	29,041,841	9.73	18.2
1953	81,952	900,339	10.99	11,722,000 ²	13.02	245,476,088	21,943,670 ³	8.94	

1. This is the number of acres seeded, which is slightly higher than the harvested acreage.
2. Based on estimated final payment in all provinces except Manitoba.
3. Estimated from value of shipments.

TABLE 5. Exports - Sugar, Molasses and Beet Pulp, 1944-1953

Product	Quantity	Value
		\$
Molasses and syrups, n.o.p.:		
1944	gal.	1,067,701
1945	"	876,015
1946	"	1,639,397
1947	"	849,182
1948	"	1,180,835
1949	"	1,504,692
1950	"	2,010,272
1951	"	2,768,000
1952	"	2,236,645
1953	"	2,195,332
Sugar, n.o.p.:		
1944	Cwt.	163,952
1945	"	447,805
1946	"	20,982
1947	"	22,960
1948	"	10,744
1949	"	16,899
1950	"	210,040
1951	"	23,734
1952	"	106,384
1953	"	46,003
Beet pulp:		
1944	Cwt.	72,905
1945	"	49,789
1946	"	88,545
1947	"	78,449
1948	"	119,556
1949	"	234,284
1950	"	247,967
1951	"	554,621
1952	"	442,173
1953	"	390,648

TABLE 6. Imports of Sugar, Molasses, etc., 1944-1953

Product	Quantity	Value
		\$
Molasses of cane testing under 35 degrees but not less than 20 degrees:		
1944.....gal.	25,574	6,658
1945....."	134,214	41,675
1946....."	5,940,384	997,471
1947....."	9,557,049	1,684,616
1948....."	9,814,229	3,194,970
1949....."	4,538,375	675,970
1950....."	6,415,768	1,279,225
1951....."	3,977,595	1,385,206
1952....."	3,399,957	739,303
1953....."	4,402,754	824,185
Molasses of cane, imported direct, testing not less than 35 degrees nor more than 56 degrees:		
1944.....gal.	29,042	17,105
1945....."	274,791	115,217
1946....."	700,988	318,695
1947....."	188,796	105,309
1948....."	85,276	54,618
1949....."	—	—
1950....."	4,908	2,667
1951....."	—	—
1952....."	3,383	2,735
1953....."	—	—
Molasses of cane the produce of any country entitled to the British Preferential Tariff, imported direct, testing not more than 56 degrees:		
1944.....gal.	5,625,763	2,195,943
1945....."	4,613,815	1,787,653
1946....."	4,488,167	2,143,147
1947....."	5,258,933	3,229,503
1948....."	4,891,031	3,842,198
1949....."	9,689,230	2,420,439
1950....."	9,422,286	3,032,698
1951....."	4,908,194	2,863,117
1952....."	3,752,306	1,789,216
1953....."	7,178,771	2,244,886
Syrups and molasses of all kinds, the product of the sugar cane or beet, n.o.p. and all imitations and substitutes:		
1944.....Cwt.	10,641	68,085
1945....."	10,685	68,769
1946....."	10,175	80,029
1947....."	7,851	47,480
1948....."	6,691	53,176
1949....."	9,249	58,432
1950....."	8,972	71,627
1951....."	7,702	72,576
1952....."	6,068	58,462
1953....."	8,068	61,004
Sugar, raw, for sugar refiners:		
1944.....Cwt.	8,916,586	28,709,555
1945....."	8,376,764	28,482,362
1946....."	8,616,972	31,790,956
1947....."	9,962,365	46,406,917
1948....."	12,277,576	62,116,276
1949....."	12,360,630	65,624,413
1950....."	12,655,393	76,409,211
1951....."	10,664,144	75,395,230
1952....."	11,733,231	58,766,492
1953....."	11,188,127	46,547,494
Sugar, raw, n.o.p.:		
1944.....Cwt.	141,822	519,955
1945....."	113,858	467,997
1946....."	155,740	624,685
1947....."	180,723	990,520
1948....."	161,747	945,384
1949....."	84,938	501,528
1950....."	126,499	799,078
1951....."	261,378	1,705,104
1952....."	131,070	779,281
1953....."	200,384	943,206
Sugar, refined (From January 1, 1952):		
1952.....Cwt.	338,705	1,904,397
1953....."	241,434	1,196,109

TABLE 7. Prices of Sugar at Montreal from Factory to Wholesaler for Specified Months
(Compiled by the Prices Section)

	January	April	July	October
	\$	\$	\$	\$
Sugar granulated, standard, per cwt., 1952.....	9.93	8.98	8.60	8.17
1953.....	7.85	7.65	7.65	7.41
Sugar, yellow, No. 2, per cwt., 1952.....	9.55	8.60	8.22	7.79
1953.....	7.65	7.41	7.41	7.17

Materials Used

The cost of materials used in the industry during 1953 as shown in Table 8, amounted to \$79,588,400. This is a decrease of \$13,715,308 from the previous year. Raw materials, consisting of raw cane and sugar beets, constitute over 91 per cent of the total cost, other materials about 2 per cent, and containers

of all kinds nearly 7 per cent. The average cost price of raw cane sugar laid down at the factory was \$6.37 per hundred-weight in 1952 and \$5.14 per hundred-weight in 1953. The cost at the factory of sugar beets was \$15.58 per ton in 1952 and \$14.49 in 1953.

TABLE 8. Materials Used

Materials	1952		1953	
	Quantity	Cost Value at the Refinery	Quantity	Cost Value at the Refinery
		\$		\$
Raw cane sugar	1, 105, 411, 768	70, 423, 827	1, 159, 520, 168	59, 637, 213
Sugar beets	1, 022, 669	15, 936, 918	900, 348	13, 046, 336
Cornstarch	2, 035, 774	182, 231	1, 838, 800	150, 698
Boneblack	2, 710, 953	292, 201	2, 551, 031	264, 105
Vegetable char	33, 150	4, 341	17, 555	1, 158
Infusorial earth	4, 040, 175	132, 796	3, 887, 955	128, 658
Lime	3, 260, 105	30, 498	3, 689, 928	34, 450
Limestone	48, 383	212, 161	43, 093	193, 566
Sulphur	342, 296	14, 741	716, 859	11, 950
Sulphuric acid	772, 121	13, 472	699, 267	12, 778
Hydrochloric and muriatic acid	363, 853	16, 281	270, 014	14, 265
Phosphoric acid	98, 553	11, 136	102, 222	10, 632
Soda ash	352, 672	11, 407	527, 618	16, 197
Filtering materials, n.e.s.	—	48, 224	—	55, 957
Other chemical materials	—	32, 506	—	18, 819
Containers (boxes, bags, etc)	—	5, 589, 400	—	5, 629, 834
All other materials and supplies	—	351, 568	—	361, 784
Total cost of materials	—	93, 303, 708	—	79, 588, 400

Employment Statistics

Employment statistics are given in Tables 9 and 10. Wage-earners in 1953 numbered 2,538 males and 267 females, with a payroll of \$8,260,447 while salaried employees numbered 478 males and 105 females, with salaries totalling \$2,697,639.

Compared with 1952 there was a decrease of 104 in the number of persons employed and also a decrease of \$80,405 in the salaries and wages paid. The maximum employment of wage-earners was reached in October with a total of 4,449 and a minimum in March with a total of 2,135.

TABLE 9. Employment by Number, Sex and Remuneration

Year	Salaried Employees			Wage-earners (Monthly Averages)			Total Employees Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1936	345	63	1, 169, 529	2, 064	87	2, 244, 169	2, 409	150	3, 413, 698
1937	349	65	1, 181, 584	1, 829	89	2, 137, 277	2, 178	154	3, 318, 861
1938	364	61	1, 163, 988	1, 809	84	2, 151, 645	2, 173	145	3, 315, 633
1939	346	60	1, 187, 767	1, 888	105	2, 279, 600	2, 234	165	3, 467, 367
1940	420	81	1, 179, 056	1, 929	108	2, 444, 605	2, 349	189	3, 623, 661
1941	378	98	1, 187, 467	2, 043	123	2, 647, 172	2, 421	221	3, 834, 639
1942	353	106	1, 162, 006	1, 701	166	2, 610, 425	2, 054	272	3, 772, 431
1943	305	119	1, 185, 276	1, 537	313	2, 883, 197	1, 842	432	4, 068, 473
1944	294	116	1, 078, 829	1, 787	393	3, 497, 231	2, 081	509	4, 576, 060
1945	329	113	1, 296, 052	1, 913	358	3, 564, 212	2, 242	471	4, 860, 264
1946	277	101	1, 146, 141	1, 987	268	3, 864, 648	2, 264	369	5, 010, 789
1947	302	106	1, 318, 141	2, 292	303	4, 991, 340	2, 594	409	6, 309, 481
1948	310	101	1, 500, 930	2, 541	315	6, 161, 388	2, 851	416	7, 662, 318
1949	399	118	1, 883, 882	2, 783	287	6, 958, 901	3, 182	405	8, 842, 783
1950	411	127	2, 062, 131	3, 101	280	7, 473, 703	3, 512	407	9, 535, 834
1951	435	131	2, 339, 926	2, 747	249	7, 933, 013	3, 182	380	10, 272, 939
1952	486	100	2, 513, 602	2, 640	266	8, 530, 889	3, 126	366	11, 044, 491
1953	478	105	2, 697, 639	2, 538	267	8, 260, 447	3, 016	372	10, 958, 086

TABLE 10. Number of Wage-earners by Months and Sex

Months	1952		1953		Months	1952		1953	
	Male	Female	Male	Female		Male	Female	Male	Female
January	2,328	245	1,936	247	August	2,308	244	2,323	245
February	1,987	231	1,892	232	September	3,432	295	3,290	316
March	2,017	246	1,902	233	October	4,407	329	4,128	321
April	2,087	250	2,125	250	November	3,857	327	3,498	320
May	2,227	258	2,153	254	December	2,478	262	2,642	248
June	2,177	258	2,234	258	Monthly Average	2,640	266	2,538	267
July	2,364	260	2,322	251					

TABLE 11. Production of Cane Sugar, 1935-1953

Year	lbs.	Year	lbs.
1935	849,159,975	1944	852,298,738
1936	937,224,803	1945	816,692,338
1937	905,113,220	1946	754,165,670
1938	900,448,767	1947	928,446,828
1939	987,266,491	1948	1,182,498,065
1940	943,204,679	1949	1,161,057,744
1941	1,010,873,797	1950	1,227,764,354
1942	612,052,345	1951	1,062,683,736
1943	741,289,010	1952	1,122,877,120
		1953	1,103,991,323

TABLE 12. Production of Molasses, 1935-1953

Year	Cane lbs.	Beet lbs.	Year	Cane lbs.	Beet lbs.
1935	15,192,615	34,006,023	1944	18,262,227	39,316,335
1936	15,545,925	29,998,000	1945	17,881,753	45,608,363
1937	11,710,939	16,968,000	1946	13,808,000	55,838,000
1938	16,050,149	30,216,552	1947	18,526,000	46,880,000
1939	14,938,324	38,016,400	1948	23,552,000	44,152,000
1940	15,820,784	59,102,750	1949	21,678,000	69,154,000
1941	19,854,719	53,656,627	1950	19,626,000	75,168,000
1942	11,522,318	53,237,849	1951	14,794,000	75,426,000
1943	15,612,913	37,537,480	1952	19,710,000	72,492,000
			1953	14,998,000	66,306,000

TABLE 13. Power Equipment

Description	1948		1953	
	Number of units	Horse-power capacity	Number of units	Horse-power capacity
Steam engines:				
In use	20	4,074	13	1,821
Idle	3	635	2	725
Steam turbines:				
In use	41	17,571	26	21,609
Idle	3	2,015	3	280
Diesel engines:				
In use	—	—	9	607
Idle	—	—	—	—
Gasoline, gas and oil engines:				
In use	34	888	22	538
Idle	3	45	—	—
Electric motors operated by purchased power:				
In use	630	9,413	1,221	11,195
Idle	27	913	19	480
Total power available for manufacturing	761	35,554	1,315	37,247
Electric motors operated by power generated by the establishment:				
In use	2,110	20,007	3,885	38,853
Idle	176	2,026	273	2,379
Stationary boilers:				
In use	52	27,074	32	20,074
Idle	2	650	1	100
Motor-generator sets:				
In use	15	2,545	9	4,541
Idle	2	900	2	2,325

TABLE 14. Consumption of Fuel and Electricity

Item	Unit of measure	1948		1953	
		Quantity	Cost at plant	Quantity	Cost at plant
Bituminous coal (a) From Canadian mines	ton	88,299	642,379	114,804	814,503
(b) Imported	"	88,849	947,693	69,919	713,629
Sub-bituminous coal (from Alberta mines only)	"	5,719	45,040	—	—
Anthracite Coal	"	—	—	—	—
Lignite coal	"	37,223	104,525	382	5,980
Coke (for fuel only)	"	3,159	48,152	6,497	125,338
Gasoline	imp. gal.	49,977	16,945	84,261	28,568
Kerosene or coal oil	" "	4,008	1,154	2,814	720
Fuel oil	" "	8,198,014	828,410	9,544,115	734,496
Wood	cord	—	—	—	—
Gas (a) Liquified petroleum gases (propane etc.)	imp. gal.	—	—	—	—
(b) Other manufactured gas	1,000 cu.ft.	19	42	432	501
(c) Natural gas	" " "	—	—	242,261	47,165
Other fuel	—	—	—	—	159
Electricity purchased:					
(a) For lighting and motors	k.w.h.	11,571,963	119,491	15,889,684	171,527
(b) For other purposes	"	—	—	—	—
Total cost of fuel and electricity	—	—	2,753,831	—	2,642,586
Electricity generated:					
For own use	k.w.h.	27,036,490	—	28,211,806	—
For sale	"	524,732	3,313	—	—

List of Sugar Refineries

Name of Firm	Plant Address
Nova Scotia:	
Acadia Atlantic Refineries Limited (Operations pooled with "Atlantic Sugar Refineries, Limited" since 1943)	Woodside
New Brunswick:	
Atlantic Sugar Refineries, Limited ¹	Saint John
Quebec:	
Canada & Dominion Sugar Company, Limited ¹	1410 Montmorency St., Montreal
St. Lawrence Sugar Refineries, Limited ¹	4026 Notre Dame St. E., Montreal
Quebec Sugar Refinery ²	St. Hilaire East
Ontario:	
Canada & Dominion Sugar Company, Limited ²	Chatham
Canada & Dominion Sugar Company, Limited ²	Wallaceburg
Manitoba:	
The Manitoba Sugar Company, Limited ²	(Fort Garry) Winnipeg
Alberta:	
Canadian Sugar Factories, Limited ²	Raymond
Canadian Sugar Factories, Limited ²	Picture Butte
Canadian Sugar Factories, Limited ²	Taber
British Columbia:	
The British Columbia Sugar Refining Company Limited ¹	Rogers Street, Vancouver

1. Made cane sugar only.

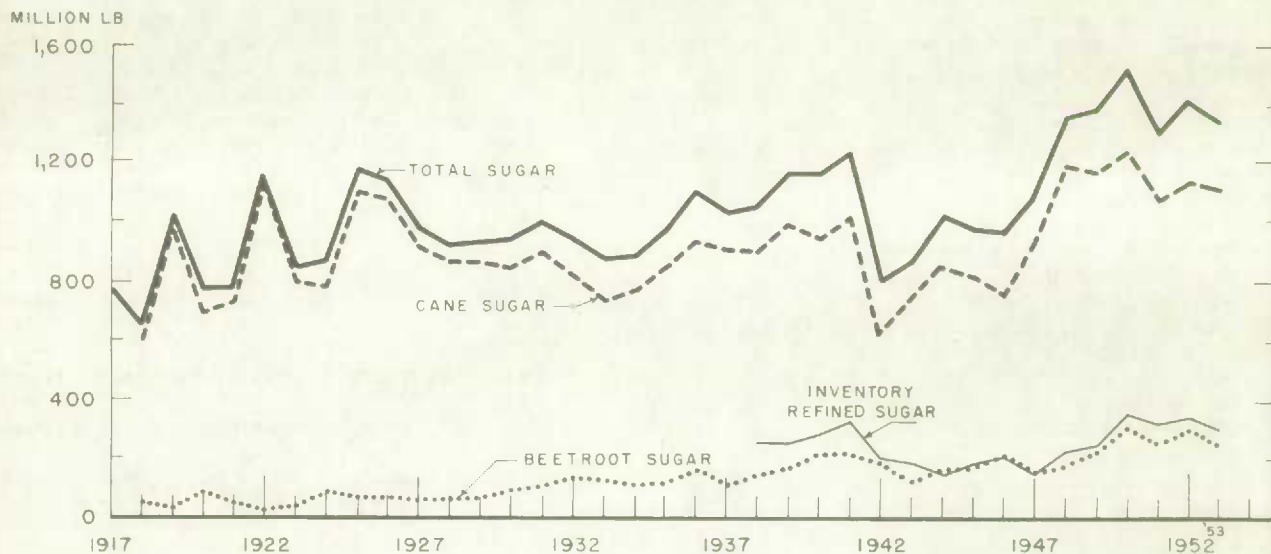
1. Made cane sugar only.
2. Made beet sugar only.



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FOODS AND BEVERAGES

SUGAR PRODUCTION, 1917-1953

CONSUMPTION BY PRINCIPAL INDUSTRIES OF REFINED
CANE AND BEET SUGAR

1952

