

32-222 27

Published by Authority of the Hon. James A. MacKINNON, M.P.,  
Minister of Trade and Commerce

**CANADA**

**DEPARTMENT OF TRADE AND COMMERCE**

**DOMINION BUREAU OF STATISTICS**

**CENSUS OF INDUSTRY**

**GENERAL MANUFACTURES BRANCH**

STATISTICS STATISTIQUE  
CANADA CANADA

AUG 16 2010  
AOUT

LIBRARY  
BIBLIOTHÈQUE

**REPORT  
ON THE  
SUGAR INDUSTRY  
IN  
CANADA  
1944**



OTTAWA  
1945

Price 25 cents

THE UNIVERSITY OF CHICAGO  
LIBRARY

CHICAGO

RECEIVED BY THE UNIVERSITY OF CHICAGO

BOOKS & SERIALS DEPARTMENT

1000 S. MICHIGAN AVE.

CHICAGO, ILL. 60607

LIBRARY

UNIVERSITY OF CHICAGO

REPORT

ON THE

STATE OF THE

W

CANON

1944



## DEPARTMENT OF TRADE AND COMMERCE

## DOMINION BUREAU OF STATISTICS

## GENERAL MANUFACTURES BRANCH

OTTAWA - CANADA

---

Dominion Statistician: S. A. Cudmore, M.A.(Oxon.), LL.D.(Tor.), F.S.S., F.R.S.C.  
Chief, General Manufactures Branch: A. Cohen, B. Com.

---

THE SUGAR REFINING INDUSTRY IN CANADA, 1944

The output of the sugar refining industry increased by 147,060,558 pounds during 1944. The production of sugar of all kinds amounted to 1,017,617,578 pounds (852,298,738 pounds made from cane and 165,318,840 pounds from beets). The production of cane sugar increased by 111,009,728 pounds and that of beet sugar by 36,050,830 pounds. Granulated sugar comprises over 86 per cent of the total sugar produced.

The production of beet sugar which reached an all-time high in 1941 with an output of 215,879,271 pounds, declined to 129,268,010 pounds in 1943 but rose to 165,318,840 pounds in 1944. The percentage of beet sugar to the total produced was 23.6 in 1942, the highest since the inception of the annual census in 1917. The percentage in 1943, however, was only 14.8 and in 1944 it rose to 16.2.

Prices of refined sugar at the factory were slightly higher in 1944 than in the previous year. Sugar of all kinds rose from 5.72 cents per pound to 6.10 cents. Granulated sugar rose from 5.75 cents to 6.12 cents, yellow sugar from 5.10 cents to 5.50 cents, while loaf sugar rose from 7.41 cents to 7.74 cents.

The refineries are located as follows: Nova Scotia 1, New Brunswick 1, Quebec 3, Ontario 2, Manitoba 1, Alberta 2 and British Columbia 1. These refineries in 1944 reported a gross value of production of \$63,874,368 they employed 2,590 persons who received \$4,576,060 in salaries and wages, and paid out \$48,033,547 for raw materials. During 1943 and 1944 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 a shortage of labour.

Detailed statistics of production, capital invested, materials used, employment, etc., are given in the tables following. In order that there may be no disclosure of statistical information of individual plants, the statistics are given for the Dominion only.

THE SUGAR REFINING INDUSTRY IN CANADA, 1944

Table 1. - Principal Statistics of the Sugar Refining Industry,  
Representative Years, 1917 - 1944

Year	Estab- lish- ments No.	Capital Invested \$	Em- ploy- ees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross x Value of Production \$
1917 .....	8	31,818,133	2,527	2,324,828	53,179,911	61,429,787
1919 .....	8	38,725,542	3,491	4,177,894	86,308,204	102,630,086
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	35,640,124	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
1937 .....	10	35,413,781	2,332	3,318,861	29,013,057	40,916,044
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	38,618,832	51,239,749
1944 .....	11	#	2,590	4,576,060	48,033,547	63,874,868

x Selling value at the factory. Statistics since 1935 do not include excise taxes.

# Not collected for 1944.

Table 2. - Comparison of Principal Statistics

Items		1 9 4 4	1 9 4 3	+	Increase - Decrease
Refineries reporting .....	No.	11	10	+	1
Capital invested .....	\$	-	44,144,876	-	-
Employees on salaries -					
Total .....	No.	410	424	-	14
Male .....	No.	298	305	-	11
Female .....	No.	116	119	-	3
Total Salaries .....	\$	1,078,829	1,185,276	-	106,447
Employees on wages -(monthly average)					
Total .....	No.	2,180	1,850	+	330
Male .....	No.	1,787	1,537	+	250
Female .....	No.	393	313	+	80
Total wages .....	\$	3,497,231	2,883,197	+	614,034
Cost of fuel and electricity .	\$	1,476,377	1,191,889	+	284,488
Cost of materials used .....	\$	48,033,547	38,618,832	+	9,414,715
Gross value of production ....	\$	63,874,868	51,239,749	+	12,635,119
Value added by manufacture x .	\$	14,364,944	11,429,028	+	2,935,916

x Gross value of products less cost of materials, fuel and electricity.

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



THE SUGAR REFINING INDUSTRY IN CANADA, 1944

Production in Sugar Refineries

Table 3 gives the production of sugar and its by-products by class, quantity and selling value at the refinery for the years 1943 and 1944. The quantity of sugars produced in Canadian refineries during 1944 was greater than that of 1943 by 147,060,558 pounds and the selling value by \$12,231,257. The quantity of beet sugar increased by 36,050,830 pounds and cane sugar increased by 111,009,728 pounds, making the increase as stated above. Molasses increased in both quantity and value.

Table 3. - Sugar and By-Products

Products	1	9	4	4	1	9	4	3
	Quantity		Selling Value at		Quantity		Selling Value at	
	Pounds		\$		Pounds		\$	
Sugar - Made from cane .....	852,298,738		50,780,445		741,289,010		41,101,245	
Made from beets .....	165,318,840		11,281,052		129,268,010		8,728,995	
Total .....	1,017,617,578		62,061,497		870,557,020		49,830,240	
Granulated .....	876,072,730		53,636,229		754,756,906		43,422,107	
Yellow or Brown .....	101,772,883		5,598,432		84,124,579		4,290,186	
Pulverized (no starch added) .....	3,243,300		221,084		( 22,286,685		1,422,220	
Icing (starch added) .....	24,608,850		1,682,864		( 9,388,850		695,727	
Loaf .....	11,919,815		922,888					
Syrups (not including molasses) .....	14,043,906		589,480		9,412,517		376,800	
Molasses - Made from cane .....	18,262,227		286,691		15,612,913		248,660	
Made from beet .....	39,316,335		483,069		37,537,480		478,173	
Total .....	57,578,562		751,760		53,150,393		724,833	
Beet pulp, wet and dried .....	194,890,000		472,131		169,242,000		307,876	
Other products .....			-				-	
TOTAL VALUE OF PRODUCTS .....			63,874,868				51,239,749	

1/ This does not include excise taxes.

THE SUGAR REFINING INDUSTRY IN CANADA, 1944

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 1944. Acreage of sugar beets harvested increased by 2,327 acres, the total yield by 90,549 tons and the total value of the crop by \$1,006,143.

Table 4. - Area, Yield and Value of Sugar Beets in Canada and Production of Refined Beetroot Sugar Compared, 1918 to 1944

Year	Acres Grown	Total Yield	Yield per Acre	Total Value	Average Price Per Ton	Production and Value (at the refinery) of refined beetroot sugar		
	No.	Tons	Tons	\$	\$ cts.	Lb.	\$	\$ cts. per Cwt.
1918	18,000	204,000	11.25	2,593,715	12.71	50,092,835	4,358,077	8.70
1919	18,600	180,000	9.50	2,630,027	14.61	37,839,271	3,924,411	10.40
1920	34,491	343,000	9.94	5,307,243	15.47	89,280,719	12,856,424	14.40
1921	25,535	199,334	7.80	1,974,384	9.90	52,862,377	3,554,203	6.70
1922	14,955	127,807	8.55	966,521	7.56	29,911,770	1,645,885	5.50
1923	17,941	159,200	8.87	1,922,668	12.08	39,423,160	3,745,200	9.50
1924	31,111	295,177	9.50	1,704,791	5.78	85,770,709	6,192,645	7.30
1925	34,803	370,047	10.63	2,688,302	7.27	72,819,919	5,206,624	7.15
1926	30,073	267,754	8.90	2,286,761	8.54	70,388,105	4,269,076	6.06
1927	25,961	206,713	7.96	2,012,134	9.73	60,969,131	3,719,117	6.10
1928	34,323	244,930	7.14	2,041,465	8.33	64,653,348	3,340,571	5.17
1929	32,556	235,465	7.23	2,080,996	8.84	69,399,213	3,335,344	4.81
1930	40,532	397,576	9.81	3,278,625	8.25	94,624,701	4,529,944	4.79
1931	43,337	435,992	10.06	3,190,198	7.32	107,139,129	4,794,551	4.48
1932	44,817	505,671	11.28	3,113,942	6.16	132,016,859	5,789,205	4.38
1933	43,807	442,391	10.10	2,790,928	6.31	131,392,501	5,713,181	4.35
1934	38,495	412,672	10.72	2,599,982	6.30	114,002,950	4,714,624	4.14
1935	51,985	459,223	8.83	2,881,098	6.27	119,857,668	4,617,733	3.85
1936	x 50,444	555,969	11.02	3,510,922	6.31	156,066,242	6,103,264	3.91
1937	x 43,758	422,152	9.65	2,825,006	6.69	120,440,235	5,230,971	4.34
1938	x 46,134	498,102	11.02	3,403,635	6.83	143,013,847	6,001,380	4.20
1939	x 57,316	586,444	10.23	4,417,372	7.53	169,320,343	8,063,332	4.76
1940	x 77,548	825,344	10.64	6,022,670	7.30	213,602,511	10,253,665	5.08
1941	x 63,925	708,616	11.08	5,781,151	8.16	215,879,271	11,639,825	5.39
1942	x 62,381	701,884	11.25	6,434,517	9.17	189,066,870	11,349,746	6.00
1943	x 52,693	474,378	9.00	4,592,240	9.68	129,268,010	8,728,995	6.75
1944	x 55,020	564,927	10.27	5,598,383	9.91	165,318,840	11,281,052	6.82

x This is the number of acres harvested. The acreage seeded is slightly higher than these figures, being 57,483 acres in 1943 and 70,446 acres in 1944.



THE SUGAR REFINING INDUSTRY IN CANADA, 1944

Table 5. - Wholesale Prices of Sugar at Montreal and Vancouver for Specified Months, 1943 and 1944

(Compiled by the Prices Branch)

	Sugar at Montreal				Sugar at Vancouver			
	Sugar, Granulated Standard, per Cwt.		Sugar No. 1 Light Yellow per Cwt.		Sugar Granulated f.o.b. Factory		Sugar No. 3 Yellow per Cwt. f.o.b. Factory	
	1944	1943	1944	1943	1944	1943	1944	1943
	\$	\$	\$	\$	\$	\$	\$	\$
January ...	6.89	6.89	6.63	6.63	6.89	6.89	6.51	6.51
April .....	6.89	6.89	6.63	6.63	6.89	6.89	6.51	6.51
July .....	6.89	6.89	6.63	6.63	6.89	6.89	6.51	6.51
October ...	6.89	6.89	6.63	6.63	6.89	6.89	6.51	6.51

Materials Used

The cost of materials used in the industry during 1944 as shown in Table 6, amounted to \$48,033,547. This is an increase from the previous year of \$9,414,715. Raw materials, consisting of raw cane and sugar beets, constitute almost 93 per cent of the total cost, other materials over 2 per cent, and containers of all kinds over 5 per cent. The average cost price of raw cane sugar laid down at the factory was \$4.02 per hundredweight in 1943 and \$4.33 per hundredweight in 1944. The cost at the factory of sugar beets was \$9.68 per ton in 1943 and \$9.91 in 1944.

Table 6. - Materials Used

Kinds of Materials	Unit of Measure	1 9 4 4		1 9 4 3	
		Quantity	Cost Value	Quantity	Cost Value
			at the Refinery		at the Refinery
			\$		\$
Raw cane sugar .....	Pound	897,342,285	38,846,796	773,915,653	31,137,050
Sugar beets .....	Ton	564,927	5,598,383	474,378	4,592,240
Cornstarch .....	Pound	921,572	53,068	723,258	41,663
Boneblack .....	"	1,483,683	134,738	1,822,220	148,440
Vegetable char .....	"	631,935	77,643	196,476	23,800
Infusorial earth ..	"	4,375,201	115,053	3,451,142	89,075
Lime .....	"	8,173,127	48,010	8,107,126	47,076
Limestone .....	Ton	23,096	69,267	20,817	62,538
Sulphur .....	Pound	216,200	5,078	208,768	4,913
Acids (sulphuric, hydrochloric, muriatic and phosphoric) .....	"	1,046,867	37,034	1,010,773	31,924
Soda ash .....	"	227,042	5,125	347,958	8,257
Filtering materials, n.e.s. ....	-	-	14,573	-	14,785
Other chemical materials	-	-	3,705	-	9,497
Containers (boxes, bags, etc.) .....	-	-	2,579,977	-	2,099,425
All other materials and supplies .....	-	-	445,097	-	308,149
TOTAL COST OF MATERIALS USED .....			48,033,547		38,618,832

THE SUGAR REFINING INDUSTRY IN CANADA, 1944

Capital Invested

Table 7. - Capital Invested in the Sugar Industry

Items of Capital	1 9 4 4	1 9 4 3
	\$	\$
Fixed Capital -		
Present value of land, buildings, fixtures, machinery, tools, etc. ....	not	21,727,170
Working Capital -		
Inventory value of materials on hand, stocks in process, fuel and miscellaneous supplies on hand .....	collected for	8,597,765
Inventory value of finished products on hand	this	7,768,730
Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.) .....	year	6,051,211
TOTAL CAPITAL INVESTED .....	-	44,144,876

Employment Statistics

Employment statistics are given in Tables 8, 9 and 10. Wage-earners in 1944 numbered 1,787 males and 393 females, with a payroll of \$3,497,231 while salaried employees numbered 294 males and 116 females, with salaries totalling \$1,078,829. Compared with 1943 there was an increase of 316 in the number of persons employed and an increase of 507,587 in the salaries and wages paid. The maximum employment of wage-earners was reached in November with a total of 3,169 and a minimum in July with a total of 1,823.

Table 8. - Employment for Canada by Number, Sex and Remuneration.

Year	Salaries Employees			Wage-earners (Monthly Averages)			Total Employees Salaries and Wages		
	Male	Fe- male	Total Salaries	Male	Fe- male	Total Wages	Male	Fe- male	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



THE SUGAR REFINING INDUSTRY IN CANADA, 1944

Table 9. - Number of Wage-earners Employed by Months and Sex.

Months	1 9 4 4		1 9 4 3	
	Male	Female	Male	Female
January .....	1,525	372	1,488	176
February .....	1,609	369	1,060	202
March .....	1,579	371	1,138	226
April .....	1,501	399	1,168	244
May .....	1,434	401	1,236	263
June .....	1,475	380	1,349	285
July .....	1,466	357	1,450	306
August .....	1,552	350	1,417	332
September .....	2,130	456	2,141	452
October .....	2,604	474	2,268	476
November .....	2,748	421	2,238	442
December .....	1,812	359	1,470	367
Monthly Average .....	1,787	393	1,537	313

Table 10. - Average Weekly Earnings and Number of Wage-earners in the Month of Highest Employment with their Regular Hours of Work.

Number of Hours Worked per Week	1 9 4 4		1 9 4 3	
	Number of Employees		Number of Employees	
	Male	Female	Male	Female
30 hours or less .....	273	34	313	49
31 - 43 hours .....	394	136	371	125
44 hours .....	125	31	120	39
45 - 47 hours .....	140	27	85	21
48 hours .....	310	88	282	117
49 - 50 hours .....	77	24	63	12
51 - 54 hours .....	247	26	222	43
55 hours .....	63	9	165	8
56 - 64 hours .....	814	52	637	46
65 hours and over .....	740	17	365	13
AVERAGE HOURS PER WEEK ....	53.1	45.2	50.3	44.6
AVERAGE WEEKLY EARNINGS ...	\$34.76	\$21.99	\$30.27	\$20.10

THE SUGAR REFINING INDUSTRY IN CANADA, 1944.

Table 11. - Power Equipment

Classes of Power	1944		1943	
	Number of Units	Manufacturers' Rating of Horse-Power Capacity	Number of Units	Manufacturers' Rating of Horse-Power Capacity
Steam engines and turbines -				
In use .....	32	12,886	25	12,401
Idle .....	10	2,787	10	2,787
Gasoline, gas and oil engines -				
In use .....	32	836	32	836
Idle .....	3	45	3	45
Electric motors operated by purchased power -				
In use .....	772	8,877	671	7,154
Idle .....	62	2,005	64	2,204
TOTAL POWER AVAILABLE FOR MANUFACTURING .....	911	27,436	805	25,427
Electric motors operated by power generated by the establishment - In use .....	1,679	18,180	1,584	17,297
Idle .....	146	1,979	156	2,005
Boilers - In use .....	46	18,662	46	18,062
Idle .....	12	4,000	12	4,000

Table 12. - Consumption of Fuel and Electricity

Kinds of Fuel	Unit of Measure	1944		1943	
		Quantity	Cost Value	Quantity	Cost Value
Bituminous Coal, Canadian	Ton	64,072	378,690	114,348	748,452
"    "    Imported	"	97,169	788,580	25,781	179,105
Anthracite Coal .....	"	895	3,491	-	-
Lignite Coal .....	"	55,243	120,493	61,498	135,148
Coke .....	"	2,079	21,889	2,091	28,552
Gasoline (x) .....	Imp. Gal.	24,743	7,336	18,343	5,506
Fuel Oil .....	" "	1,036,957	61,916	506,765	26,809
Kerosene or coal oil .....	" "	2,289	562	2,444	590
Gas (Manufactured .....	M Cu. Ft.	1,598	1,668	1,967	2,058
(Natural .....	" " "	1,127	675	1,649	1,177
TOTAL COST OF FUEL .....	-	-	1,385,300	-	1,127,397
Electricity purchased (including service charges) Kw. H.		9,947,107	91,077	7,266,986	64,492
TOTAL COST OF FUEL AND ELECTRICITY .....			1,476,377		1,191,889

(x) Includes gasoline used in cars and trucks,

THE SUGAR REFINING INDUSTRY IN CANADA, 1944

List of Sugar Refineries

NOVA SCOTIA

Acadia Sugar Refining Company, Limited, Dartmouth.  
(Operations pooled with "Atlantic Sugar Refineries, Ltd." in 1943 and 1944).

NEW BRUNSWICK

- (1) Atlantic Sugar Refineries, Limited, Saint John.

QUEBEC

- (1) Canada & Dominion Sugar Company, Ltd., 1410 Montmorency St., Montreal.  
St. Lawrence Sugar Refineries, Limited, 4026 Notre Dame St. E., Montreal.  
(Operations pooled with "Canada & Dominion Sugar Co. Ltd." in 1943 and 1944).  
(2) Quebec Sugar Refinery, St. Hilaire.

ONTARIO

- (3) Canada & Dominion Sugar Company Limited, Wallaceburg.  
Canada & Dominion Sugar Company Limited, Chatham.  
(No refining done at Chatham in 1943 and 1944. All manufacturing done at Wallaceburg).

MANITOBA

- (2) The Manitoba Sugar Company, Limited, (Fort Garry) Winnipeg.

ALBERTA

- (2) Canadian Sugar Factories, Limited, Raymond.  
(2) Canadian Sugar Factories, Limited, Picture Butte.

BRITISH COLUMBIA

- (1) The British Columbia Sugar Refining Company Limited, Rogers Street, Vancouver.

- 
- (1) Made cane sugar only.  
(2) Made beet sugar only.  
(3) Made both cane and beet sugar.





1010752031