

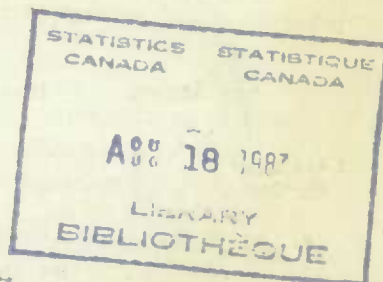
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THE VEGETABLE OILS INDUSTRY

1959



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PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Chemicals and Allied Products** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual

B — Biennial

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EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or

plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

THE VEGETABLE OILS INDUSTRY

1959

This report presents statistics for the Vegetable Oils Industry which includes all establishments whose principal operations consist of extraction of vegetable oils, such as linseed, soya bean, coconut, etc. No mention is made of the concerns which refine vegetable oils as a secondary part of their operations or for their own use for the manufacture of margarine, shortening and cooking oils. These items are produced in works classified to the Slaughtering and Meat Packing Industry which is reviewed in a separate bulletin. A similar disposition has been accorded corn oil produced by firms classified to the Starch and Glucose Industry.

There were 10 factories in operation in this industry during 1959 of which 4 were located in Ontario, 2 in Quebec, 2 in Manitoba and 1 each in Saskatchewan and Alberta. These concerns gave employment to 625 people who were paid \$2,853,314 in salaries and wages. Materials used in manufacturing processes cost \$46,989,078 and expenditures for fuel and electricity were \$345,281.

Factory shipments in 1959 were valued at \$57,677,128 and included oils at \$29,461,390, oil-cake at \$27,769,837, soap at \$42,164 and other products at \$403,737. In 1958 factory shipments were reported at \$53,795,209 and in 1957 at \$60,951,564.

TABLE 1. Principal Statistics of the Vegetable Oils Industry, Significant Years 1929-59 and by Provinces, 1958 and 1959

Year and province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture ¹	Gross selling value of products ¹
	number				dollars		
1929	8	239	327,220	63,658	5,578,539	860,436	6,502,633
1933	10	201	222,759	54,077	1,542,119	490,361	2,086,557
1937	11	242	293,443	63,748	4,036,075	949,705	5,049,528
1939	9	239	273,309	62,150	3,009,816	994,544	4,156,510
1945	13	616	1,032,839	197,227	16,658,320	3,242,562	20,098,109
1946	14	734	1,303,807	252,014	20,441,369	4,760,056	25,453,439
1949	15	829	2,122,103	477,054	41,631,796	9,132,691	51,241,541
1955	12	682	2,503,689	693,961	42,018,137	7,017,207	50,322,215
1956	12	672	2,583,851	522,748	37,107,511	5,443,602	42,239,497
1957	11	656	2,663,046	756,414	50,899,324	8,924,511	60,951,564
1958							
Quebec	2	401	1,777,948	723,475	40,888,619	6,986,648	47,916,032
Ontario	4						
Manitoba	2						
Saskatchewan	1	213	897,286	95,187	4,614,271	1,170,562	5,879,177
Alberta	1						
British Columbia	1						
Canada	11	614	2,675,234	818,662	45,502,890	8,157,210	53,795,209
1959							
Quebec	2	416	1,959,834	755,691	42,774,550	8,275,997	51,777,744
Ontario	4						
Manitoba	2						
Saskatchewan	1	209	893,480	89,590	4,214,528	1,638,600	5,899,384
Alberta	1						
Canada	10	625	2,853,314	845,281	46,989,078	9,914,597	57,677,128

¹ Due to lack of inventory data, figures for value added by manufacture prior to 1954 were obtained by subtracting the cost of materials used, including fuel and electricity, from the total value of factory shipments. In 1954 and 1955 the "Value added" adjustment incorporated the increase or decrease to shipments values resulting from changes in the value of inventories over the period. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse.

TABLE 2. Inventories,¹ 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
Opening:				
Ontario and Quebec	7,326,124	—	2,188,905	9,515,029
Other provinces	160,615	89,441	239,231	489,287
Canada	7,486,739	89,441	2,428,136	10,004,316
Closing:				
Ontario and Quebec	8,281,472	—	2,217,399	10,498,871
Other provinces	366,955	110,779	261,227	738,961
Canada	8,648,427	110,779	2,478,626	11,237,832

¹ (a) Book value of all manufacturing inventories, owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Vegetable Oils Industry for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the industry such as: the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 3. Products Manufactured in the Vegetable Oils Industry, 1958 and 1959

Products	Quantity made ¹	Factory shipments	
		Quantity	Selling value at works
1958			\$
Section "A" — Oils, raw or crude			
Linseed oil	gal. 7,707,477	4,488,105	5,131,683
Soya bean oil	lb. 141,087,657	124,194,949	16,118,599
Other oils (rapeseed, coconut, sunflower, mustard seed and weed oil)	" 17,961,197	13,946,140	1,768,839
Section "B" — Oils, processed			
Linseed oil, boiled	gal. 334,466	344,180	541,874
Linseed oil, special	" 3,304,550	2,768,484	3,968,692
Soya bean oil	lb. 9,899,277	9,469,279	1,242,512
Other refined oils	" 2,456,267	2,434,266	517,120
Section "C" — Other products			
Linseed oilcake	ton 60,508	60,175	3,655,986
Soya bean oilcake	" 321,014	324,975	19,818,822
Oilcake, other	" 10,015	11,934	595,056
Soap	lb. 520,279	519,110	42,312
Other products .....	...	...	393,714
Total .....	...	...	53,795,209
1959			
Section "A" — Oils, raw or crude			
Linseed oil	gal. 6,613,316	3,965,198	4,894,264
Soya bean oil	lb. 160,167,353	156,490,488	17,102,374
Other oils (rapeseed, coconut, sunflower, mustard seed and weed oil)	" 16,812,472	12,153,810	1,574,967
Section "B" — Oils processed			
Linseed oil, boiled	gal. 315,955	329,848	525,422
Linseed oil, special	" 3,713,320	2,616,205	3,823,162
Soya bean oil	lb. 8,509,287	8,196,263	970,960
Other refined oils	" 3,527,302	2,971,102	570,241
Section "C" — Other products			
Linseed oilcake	ton 55,638	55,543	3,795,955
Soya bean oilcake	" 361,398	356,234	23,316,077
Oilcake, other	" 12,347	12,346	657,805
Soap	lb. 565,051	506,753	42,164
Other products .....	...	...	403,737
Total .....	...	...	57,677,128

¹ Total production whether for sale or for further processing.

... Figures not appropriate or not applicable.

Note: The data in Tables 3 and 4 do not apply strictly to calendar year operations as some firms reported on a fiscal year basis.

TABLE 4. Materials Used in the Vegetable Oils Industry, 1958 and 1959

Materials	1958		1959	
	Quantity	Cost at mills	Quantity	Cost at mills
		\$		\$
Flaxseed	bu. 3,478,991	10,718,417	3,156,913	10,018,650
Soya beans	lb. 818,666,196	31,254,629	916,259,100	33,695,291
Other nuts, grains and seeds	" 41,729,669	2,082,376	45,026,760	1,559,620
Sulphuric acid, 100%	" 121,834	2,821	100,586	2,354
Caustic soda	" 100,075	4,183	134,500	4,712
Caustic potash	" 63,813	4,000	69,760	4,288
Driers .....	..	8,679	..	8,495
Filtering agents (celite, filtrol, etc.) .....	..	37,656	..	30,716
Press cloth	lb. 240	480	255	512
Filter cloth	yd. 6,007	6,750	4,003	4,556
Containers, etc. ....	..	671,386	..	940,148
All other materials .....	...	711,513	...	719,736
Totals .....	...	45,502,890	...	46,989,078

.. Figures not available.

... Figures not appropriate or not applicable.

Note: See note to Table 3.

TABLE 5. Available Data on Consumption of Vegetable Oils, by Industries
1957 and 1958

Industry	1957		1958	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Castor oil:				
Medicinals	lb. 41,000	12,100	43,000	13,000
Paints	" 1,883,000	484,800	1,781,000	369,000
Miscellaneous chemicals	" 1,115,000	223,400	1,145,000	187,300
Inks	" 20,000	4,500	9,000	2,100
Oilcloth	" 112,000	24,300	108,000	20,400
Tanneries	" 27,000	5,900	34,000	6,800
Heavy chemicals	" 1,070,000	207,000	1,063,000	149,000
Plastics	" 988,000	189,100	827,000	130,300
Chinawood oil:				
Paints	" 4,056,000	787,400	3,346,000	606,300
Miscellaneous chemicals	" 19,000	4,100	159,000	25,400
Inks	" 86,000	22,300	95,000	22,000
Oilcloth	" 293,000	54,300	232,000	34,000
Plastics	" 159,000	37,500	216,000	34,300
Cocoonut oil:				
Slaughtering and meat packing ¹	" 39,680,000	..	37,045,000	..
Heavy chemicals	" 1,096,000	141,000	1,168,000	163,000
Soaps, etc.	" 13,461,000	1,747,400	12,291,000	1,707,000
Toilet preparations	" 499,000	70,000	471,000	58,700
Miscellaneous chemicals	" 610,000	91,000	533,000	80,700
Confectionery	" 1,909,000	376,000	1,996,000	415,200
Tanneries	" 46,000	7,600	67,000	11,500
Miscellaneous foods	" 8,743,000	1,719,300	7,726,000	1,369,300
Biscuits	" 4,678,000	893,200	4,767,000	942,600
Other miscellaneous	" 1,111,000	..	1,234,000	232,000

See footnotes at end of table.

**TABLE 5. Available Data on Consumption of Vegetable Oils, by Industries,
1957 and 1958 - Concluded**

Industry	1957		1958	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Cottonseed oil:				
Slaughtering and meat packing ¹ lb.	29,145,000	..	22,329,000	..
Confectionery.....	47,000	12,300	135,000	33,000
Miscellaneous foods.....	6,700,000	1,310,300	7,071,000	1,374,000
Biscuits.....	5,000	1,300	3,000	800
Bread and other bakery products.....	898,000	206,000	615,000	144,000
Macaroni.....	35,000	7,200	182,000	34,700
Other miscellaneous.....	794,000	..	882,000	194,000
Linseed oil:				
Paints..... gal.	2,985,000	4,620,000	2,927,000	4,820,500
Soaps, etc.....	26,000	40,000	39,000	58,200
Plastics.....	148,000	197,800	240,000	365,000
Miscellaneous chemicals.....	118,000	152,600	107,000	138,400
Inks.....	62,000	105,500	61,000	102,700
Linoleum.....	1,855,000	2,402,300	1,648,000	2,246,600
Miscellaneous non-metallic mineral products.....	14,000	17,100	13,000	16,900
Primary iron and steel.....	53,000	67,700	45,000	60,700
Polishes and dressings.....	900	1,300	-	-
Oiticica oil:				
Paints..... lb.	70,000	12,800	50,000	9,900
Palm oil:				
Soaps, etc.....	-	-	-	-
Slaughtering and meat packing ¹ lb.	33,682,000	..	35,443,000	..
Primary iron and steel.....	564,000	69,800	460,000	57,426
Other miscellaneous.....	939,000	..	1,043,000	182,600
Palm kernel oil:				
Soaps, etc.....	52,000	6,500	379,000	49,600
Peanut oil:				
Miscellaneous foods.....	898,000	201,700	1,815,000	407,400
Slaughtering and meat packing ¹	2,347,000	..	13,997,000	..
Macaroni.....	10,000	2,500	10,000	2,500
Other miscellaneous.....	1,920,000	329,300	1,790,000	279,800
Soya bean oil:				
Paints.....	7,237,000	1,091,000	9,070,000	1,254,000
Miscellaneous foods.....	25,853,000	4,887,100	36,457,000	6,192,200
Slaughtering and meat packing ¹	90,834,000	..	102,259,000	..
Fish-packing.....	3,057,000	489,500	2,633,000	366,400
Biscuits.....	7,000	1,500	840	200
Plastics.....	5,879,000	842,200	6,107,000	784,200
Oilcloth.....	23,000	5,100	-	-
Miscellaneous chemicals.....	1,121,000	162,600	1,378,000	163,800
Other miscellaneous.....	3,900,000	..	4,332,000	758,500
Vegetable oil mills.....	66,000	9,100	62,000	8,000
Sunflower seed oil:				
Slaughtering and meat packing ¹	-	-	-	-
Paints..... lb.	24,500	6,100	-	-
Tall oil:				
Paints.....	1,941,000	190,800	1,800,000	173,500
Miscellaneous chemicals.....	963,000	48,400	1,093,000	64,300
Soaps, etc.....	442,000	37,500	528,000	44,300
Plastics.....	165,000	15,700	439,000	37,600

¹ In the slaughtering and meat packing industry there are several concerns which refine purchased crude vegetable oils. Part of these refined oils is used by the refining companies to make shortening, etc., and part is sold either to other concerns within the industry or to concerns in other foods industries. Thus there is duplication in the consumption figures as detailed by industries. In 1957 the duplication is about as follows: coconut oil, 10.9 million pounds; cottonseed oil, 10.2 million pounds; peanut oil, 1.9 million pounds; soya bean oil 3.0 million pounds and in 1958 the duplication is about as follows: coconut oil, 12.3 million pounds; cottonseed oil, 13.1 million pounds; peanut oil, 4.2 million pounds; soya bean oil, 4.2 million pounds.

.. Figures not available.

TABLE 6. Principal Statistics of the Vegetable Oils Industry, classified according to Type of Ownership, 1958 and 1959

Type	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1958					
Co-operatives	1	614	2,675,234	45,502,890	53,795,209
Incorporated companies	10				
Totals	11	614	2,675,234	45,502,890	53,795,209
1959					
Co-operatives	2	625	2,853,314	46,989,078	57,677,128
Incorporated companies	8				
Totals	10	625	2,853,314	46,989,078	57,677,128

TABLE 7. Principal Statistics of the Vegetable Oils Industry in Canada, grouped according to Size of Establishment, 1958 and 1959

Establishments reporting factory shipments	Estab- lish- ments	Em- ployees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number		dollars		
1958					
\$ 200,000 to \$ 499,999	1	69	261,818	2,458,145	3,142,507
500,000 " 999,999	3				
1,000,000 " 4,999,999	4	197	722,450	8,354,629	9,875,957
5,000,000 and over	3	269	1,269,384	34,690,116	40,776,745
Head offices	—	79	421,582	—	—
Totals	11	614	2,675,234	45,502,890	53,795,209
1959					
\$ 200,000 to \$ 499,999	1	74	307,914	1,552,444	2,231,812
500,000 " 999,999	2				
1,000,000 " 4,999,999	4	205	772,409	8,837,593	11,251,522
5,000,000 and over	3	269	1,345,369	36,599,041	44,193,794
Head offices	—	77	427,622	—	—
Totals	10	625	2,853,314	46,989,078	57,677,128

TABLE 8. Capital and Repair Expenditures in the Vegetable Oils Industry, 1955-59

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1955	64	188	252	88	301	389	641
1956	231	761	992	12	407	419	1,411
1957	59	225	284	38	422	460	744
1958	221	889	1,110	15	277	292	1,402
1959P	4	524	528	7	390	397	925

P Preliminary figures.

TABLE 9. Employees and their Earnings in the Vegetable Oils Industry, by Provinces, 1958 and 1959

Province	Employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
	number					dollars		
1958								
Ontario	101	28	271	1	401	741,198	1,036,750	1,777,948
Quebec								
Manitoba								
Saskatchewan	81	32	100	—	213	568,653	328,633	897,286
Alberta								
British Columbia								
Canada	182	60	371	1	614	1,309,851	1,365,383	2,675,234
1959								
Ontario	114	29	272	1	416	844,388	1,115,446	1,959,834
Quebec								
Manitoba								
Saskatchewan	81	33	93	2	209	580,806	312,674	893,480
Alberta								
Canada	195	62	365	3	625	1,425,194	1,428,120	2,853,314

TABLE 10. Production Workers, by Months, 1958 and 1959

Month	1958			1959		
	Male	Female	Total	Male	Female	Total
January	371	1	372	361	3	364
February	375	1	376	362	3	365
March	368	1	369	351	1	352
April	350	1	351	352	2	354
May	357	1	358	356	5	361
June	369	1	370	362	5	367
July	320	1	321	299	2	301
August	360	1	361	348	4	352
September	377	1	378	381	4	385
October	420	1	421	399	1	400
November	401	1	402	414	1	415
December	375	1	376	384	1	385
Averages	371	1	372	365	3	368

TABLE 11. Fuel and Electricity Used in the Vegetable Oils Industry, 1958 and 1959

Kind	1958		1959		
	Quantity	Cost at works	Quantity	Cost at works	
		\$		\$	
Bituminous coal—Canadian	ton	1,431	18,851	1,584	20,500
Imported	"	15,687	172,425	15,740	172,380
Lignite coal	"	167	1,216	109	828
Gasoline	Imp. gal.	38,908	16,433	33,270	13,339
Fuel oil	"	1,786,919	171,647	2,251,215	195,694
Gas—Natural	M cu. ft.	15,175	4,775	20,419	5,548
Electricity purchased	kwh.	30,120,118	248,390	31,841,616	253,753
Steam purchased .....		..	184,925	..	183,239
Totals .....		...	818,662	...	845,281

.. Figures not available.
 ... Figures not appropriate or not applicable.

TABLE 12. Imports and Exports of Specified Commodities Pertaining to the Vegetable Oils Industry, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
(a) Imports				
Nuts, grains and seeds:				
Copra, not prepared	lb.	11,373,345	913,060	—
Beans, soya	bu.	10,861,314	23,441,521	13,173,357
Flaxseed	"	96,582	303,319	117,543
Millet and rapeseed	"	2,110,310	84,518	2,912,944
Oils:				
Cocoanut oil, crude and refined	cwt.	467,216	5,613,957	397,134
Cottonseed oil, crude and refined	"	255,187	3,150,176	373,475
Olive oil, crude and refined	"	29,769	900,581	31,769
Peanut oil, crude and refined	"	215,879	2,774,500	102,113
Soya bean oil, crude and refined	"	302,458	3,858,332	297,607
Cashew nut shell oil	"	701	10,872	697
Castor oil	"	48,243	751,654	59,206
Chinawood oil	"	47,123	785,221	47,529
Essential oil, natural and synthetic, n.o.p., and non-alcoholic preparations thereof	lb.	1,494,027	4,058,638	1,473,271
Flaxseed or linseed oil, raw or boiled	cwt.	1,583	29,787	10,399
Tall oil and tall oil pitch	"	83,153	438,689	91,617
Foots, being the refuse of cottonseed or olives after the oil has been pressed out	"	1,332	7,332	166
Oiticica oil	"	1,012	16,143	22
Palm oil	"	404,599	4,026,530	316,693
Peppermint oil, natural and synthetic	lb.	81,458	401,711	73,211
Resin oil	cwt.	6,794	40,991	6,859
Vegetable oils and mixtures of animal, mineral and vegetable oils, for textiles	"	25,478	536,856	23,149
Lemon and orange oils, natural or synthetic	lb.	189,374	671,637	180,709
Spearmint oil, natural or synthetic	"	31,186	138,769	28,869
Vegetable oils, n.o.p., not edible	cwt.	183,264	2,543,342	146,979
Oilcake and meal:				
Cottonseed cake and cotton seed cake meal	"	53,306	130,676	8,361
Linseed oilcake and linseed oilcake meal	"	6,549	17,909	5,115
Soya bean oilcake and soya bean oilcake meal	"	2,904,042	8,204,242	4,984,941
Soya bean flour	"	38,824	283,432	41,223
(b) Exports				
Vegetable cooking fats, edible	"	655	15,720	1,106
Linseed oilcake and meal	"	339,962	1,035,132	290,449
Soya bean oilcake and meal	"	1,720,662	5,818,366	3,919,774
Oilcake and oilcake meal, n.o.p.	"	29,178	84,069	11,778
Essential oil	lb.	34,008	73,431	59,957
Foots and other vegetable soap stock	cwt.	7,206	20,381	2,985
Linseed and flaxseed oil	"	149,824	1,785,014	28,837
Oils, vegetable, n.o.p., not edible	"	5,247	75,609	66
Flaxseed, n.o.p.	bu.	14,278,189	45,046,453	12,562,123
Rapeseed oil	cwt.	14,961	132,386	1,531
Soya bean oil	"	276,796	2,943,517	266,265



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Directory of Firms Included in the Vegetable Oils Industry, 1959

Name of firm	Location of plant
Quebec:	
The Canada Linseed Oil Mills, Limited	2215 Notre Dame St. E., Montreal
The Sherwin-Williams Co. of Canada Ltd.	2875 Centre St., Montreal
Ontario:	
The Canada Linseed Oil Mills, Limited	40 Wabash Avenue, Toronto
Canadian Vegetable Oils Processing Ltd.	Victoria Avenue, Hamilton
Toronto Elevators, Limited, (Oil Crushing Division)	Queen's Quay, Toronto
Victory Soya Mills Ltd.	333 Lake Shore Blvd. E., Toronto
Manitoba:	
Co-operative Vegetable Oils, Limited	Altona
The Sherwin-Williams Co. of Canada Ltd.	110 Sutherland Avenue, Winnipeg
Saskatchewan:	
Saskatchewan Wheat Pool (Vegetable Oil Plant)	33 Road St., Saskatoon
Alberta:	
The Alberta Linseed Oil Co. Limited	Medicine Hat