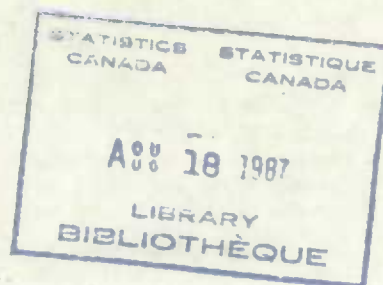


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# THE VEGETABLE OILS INDUSTRY 1951



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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries 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, by Provinces
  - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢.
  - Section 2. Principal Statistics of Individual Industries, 75¢.
  - Section 3. Principal Statistics by Regional Distribution, 75¢.
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- 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 XVI, Chemicals and Allied Products. 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 Acids, Alkalies and Salts Industry, 25¢.
- C—The Fertilizer Manufacturing Industry, 25¢.
- D—The Fertilizer Trade in Canada, 25¢.
- E—The Medicinal and Pharmaceutical Preparations Industry, 25¢.
- F—The Paints, Varnishes and Lacquers Industry, 25¢.
- G—The Primary Plastics Industry, 25¢.
- H—The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢.
- I—The Toilet Preparations Industry, 25¢.
- J—The Vegetable Oils Industry, 25¢.
- K—The Inks Industry, 25¢.
- L—The Adhesives Industry, 25¢.
- M—The Polishes and Dressings Industry, 25¢.
- N—The Compressed Gases Industry, 25¢.
- O—The Coal Tar Distillation Industry, 25¢.
- P—The Miscellaneous Chemical Products Industry, 25¢.

# THE VEGETABLE OILS INDUSTRY

1951

This report presents statistics for the Vegetable Oils Industry which includes all establishments whose principal operations consist of the extraction of vegetable oils, such as linseed, soya bean, cocoanut, etc. No mention is made of 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.

There were 13 factories in operation in this industry during 1951 of which 5 were located in Ontario, 3 in Manitoba, 2 in Quebec and 1 each in

Saskatchewan, Alberta and British Columbia. These concerns gave employment to 751 people, who were paid \$2,316,979 in salaries and wages. Materials used in manufacturing processes cost \$48,729,012 and expenditures for fuel and electricity amounted to \$623,871.

Factory sales in 1951 were valued at \$60,202,123 and included oils at \$40,711,199, oilcake at \$18,701,123, soap at \$115,678 and other products at \$674,123. In 1950, factory sales were reported at \$47,026,547 and in 1949 at \$51,241,541.

**TABLE 1. Principal Statistics of The Vegetable Oils Industry, 1947-1951**

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Net <sup>1</sup> value of production
			\$	\$	\$	\$	\$
1947 .....	15	746	1,513,798	307,708	32,769,012	38,347,501	5,270,781
1948 .....	16	819	1,885,451	426,314	51,390,930	63,673,373	11,856,129
1949 .....	15	829	2,122,103	477,054	41,631,796	51,241,541	9,132,691
1950 .....	15	792	2,155,085	524,066	40,213,298	47,026,547	6,289,183
1951 .....	13	751	2,316,979	623,871	48,729,012	60,202,123	10,849,240
Per cent change							
1951 from 1950.....	—	-5.2	+7.5	+19.0	+21.2	+28.0	+72.5

1. Gross value less cost of materials, fuel and electricity.

Note. Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

**TABLE 2. Principal Statistics of The Vegetable Oils Industry, by Provinces, 1950 and 1951**

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
<b>1950</b>						
Ontario .....	6	384	1,147,825	375,313	22,921,079	27,111,624
Manitoba .....	3	88	156,149	44,963	1,823,059	2,326,325
Quebec .....	2	320	851,111	103,790	15,469,160	17,588,598
Saskatchewan .....	2					
Alberta .....	1					
British Columbia .....	1					
<b>Canada .....</b>	<b>15</b>	<b>792</b>	<b>2,155,085</b>	<b>524,066</b>	<b>40,213,298</b>	<b>47,026,547</b>
<b>1951</b>						
Ontario .....	5	396	1,342,737	457,759	32,039,747	38,758,734
Manitoba .....	3	85	180,978	51,033	2,074,869	2,708,630
Quebec .....	2	270	793,264	115,079	14,614,396	18,734,759
Saskatchewan .....	1					
Alberta .....	1					
British Columbia .....	1					
<b>Canada .....</b>	<b>13</b>	<b>751</b>	<b>2,316,979</b>	<b>623,871</b>	<b>48,729,012</b>	<b>60,202,123</b>



TABLE 3. Products Manufactured in The Vegetable Oils Industry, 1950 and 1951

Product	Unit of measure	Quantity made	Factory Sales	
			Quantity	Selling value at works
				\$
1950				
<b>Section "A" — Oils, raw or crude</b>				
(Total production whether for sale or for further processing)				
Linseed oil .....	gal.	10,262,974	5,232,708	8,128,681
Soya bean oil .....	lb.	51,131,081	49,603,579	7,652,918
Other oils (rapeseed, coconut, sunflower, mustard seed and weed oil) .....	"	40,483,236	39,881,358	6,110,357
<b>Section "B" — Oils, processed</b>				
Linseed oil, boiled .....	gal.	1,047,876	989,385	1,631,184
Linseed oil, special .....	"	4,962,701	3,901,249	6,592,331
Soya bean oil .....	lb.	2,269,793	2,329,556	361,493
Other refined oils .....	"	801,043	700,301	144,932
<b>Section "C" — Other products</b>				
Linseed oilcake .....	ton	82,612	81,827	5,647,324
Soya bean oilcake .....	"	118,932	116,680	9,346,942
Oilcake, other .....	"	15,869	15,816	816,761
Soap .....	lb.	1,272,650	1,286,533	100,808
Other products .....	—	—	—	492,816
<b>Total .....</b>	—	—	—	<b>47,026,547</b>
1951				
<b>Section "A" — Oils, raw or crude</b>				
(Total production whether for sale or for further processing)				
Linseed oil .....	gal.	7,485,457	4,111,330	6,866,661
Soya bean oil .....	lb.	72,688,384	73,717,559	16,558,530
Other oils (rapeseed, coconut, sunflower, mustard seed and weed oil) .....	"	40,335,306	38,702,983	7,064,073
<b>Section "B" — Oils, processed</b>				
Linseed oil, boiled .....	gal.	813,687	829,530	1,643,650
Linseed oil, special .....	"	4,374,987	4,071,929	7,716,798
Soya bean oil .....	lb.	637,094	651,754	147,625
Other refined oils .....	"	3,490,198	3,250,209	713,862
<b>Section "C" — Other products</b>				
Linseed oilcake .....	ton	61,599	63,185	4,705,664
Soya bean oilcake .....	"	175,842	178,399	13,295,231
Oilcake, other .....	"	12,743	12,896	700,228
Soap .....	lb.	1,383,533	1,491,027	115,678
Other products .....	—	—	—	674,123
<b>Total .....</b>	—	—	—	<b>60,202,123</b>

TABLE 4. Materials Used in The Vegetable Oils Industry, 1950 and 1951

Material	Unit of measure	1950		1951	
		Quantity	Cost at mills	Quantity	Cost at mills
			\$		\$
Flaxseed .....	bushel	4, 801, 919	18, 543, 028	3, 661, 136	14, 500, 216
Soya beans .....	lb.	294, 885, 620	14, 391, 557	446, 271, 484	24, 992, 860
Other nuts, grains and seeds .....	"	74, 044, 446	6, 091, 091	74, 572, 789	7, 569, 779
Sulphuric acid, 100% .....	"	309, 267	8, 137	244, 766	7, 000
Fullers' earth .....	"	7, 466	101	5, 782	71
Caustic soda .....	"	209, 712	23, 090	188, 049	24, 699
Caustic potash .....	"	73, 920	5, 709	61, 169	4, 856
Driers .....	gal.	18, 199	36, 056	24, 839	27, 534
Cellite .....	lb.	51, 000	2, 320	155, 666	8, 462
Filtrol .....	"	857, 085	43, 929	848, 699	50, 250
Press cloth .....	"	8, 614	8, 979	1, 957	3, 532
Filter cloth .....	yd.	16, 285	17, 159	8, 687	9, 783
Containers, etc .....	—	—	638, 569	—	777, 755
All other materials .....	—	—	403, 573	—	752, 215
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>40, 213, 298</b>	<b>—</b>	<b>48, 729, 012</b>

TABLE 5. Available Data on Consumption of Vegetable Oils, by Industries, 1949 and 1950

Industry	Unit of measure	1949		1950	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
<b>Castor oil:</b>					
Medicinals .....	gal.	3, 568	8, 335	10, 769	27, 917
Paints .....	"	182, 086	349, 993	241, 128	613, 457
Miscellaneous chemicals .....	"	279, 574	490, 884	352, 668	630, 578
Inks .....	"	1, 831	5, 211	2, 913	6, 735
Oilcloth .....	"	38, 000	59, 563	33, 800	55, 934
Tanneries .....	"	1, 608	2, 797	1, 800	2, 707
<b>Chinawood oil:</b>					
Paints .....	lb.	6, 741, 977	1, 556, 466	6, 298, 265	1, 765, 543
Miscellaneous chemicals .....	"	42, 164	8, 701	3, 058	833
Inks .....	"	33, 947	8, 593	72, 104	20, 447
Oilcloth .....	"	657, 574	151, 176	226, 831	57, 551
Miscellaneous non-metallic mineral products .....	"	Not available		53, 000	15, 420
<b>Cocoanut oil:</b>					
Slaughtering and meat packing <sup>1</sup> .....	lb.	20, 864, 322	3, 360, 375	24, 036, 842	4, 202, 966
Heavy chemicals .....	"	540, 303	91, 851	794, 644	145, 183
Soaps .....	"	25, 033, 445	4, 362, 042	25, 123, 638	4, 418, 121
Cleaning preparations .....	"	27, 738	7, 509	24, 066	6, 897
Toilet preparations .....	"	697, 482	133, 475	813, 250	150, 961
Miscellaneous chemicals .....	"	413, 152	83, 583	805, 962	168, 305
Confectionery .....	"	481, 603	124, 251	684, 923	167, 961
Tanneries .....	"	14, 000	2, 797	16, 316	3, 201
Miscellaneous foods .....	"	2, 910, 960	734, 016	3, 458, 193	835, 151
Biscuits .....	"	3, 639, 159	941, 629	4, 145, 129	956, 704
Bread and other bakery products .....	"	42, 102	11, 874	59, 565	16, 241

TABLE 5. Available Data on Consumption of Vegetable Oils, by Industries, 1949 and 1950 - Concluded

Industry	Unit of measure	1949		1950	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Cottonseed oil:					
Slaughtering and meat packing <sup>1</sup> .....	lb.	61,938,038	9,514,431	81,502,125	13,918,571
Confectionery .....	"	6,948	2,264	4,699	1,504
Miscellaneous foods .....	"	2,138,243	437,021	4,727,670	1,171,449
Biscuits .....	"	20,155	4,871	53,089	12,570
Fish curing and packing .....	"	188,000	35,020	625,000	128,463
Bread and other bakery products .....	"	119,851	30,567	193,071	50,067
Oilcloth .....	"	44,525	9,969	68,683	18,610
Linseed oil:					
Paints .....	gal.	3,444,194	7,017,605	3,937,729	7,151,110
Soaps .....	"	37,059	67,292	33,648	60,974
Plastics .....	"	25,456	45,353	22,290	42,000
Miscellaneous chemicals .....	"	203,450	381,513	370,838	710,242
Inks .....	"	105,503	206,678	124,720	226,355
Linoleum .....	"	1,799,000	3,215,000	1,853,000	3,139,000
Pulp and paper .....	"	70,000	105,648	3,600	5,827
Miscellaneous non-metallic mineral products ....	"	35,000	61,000	35,000	64,000
Primary iron and steel .....	"	26,731	33,462	20,669	23,623
Oiticica oil:					
Paints .....	lb.	118,695	22,740	31,328	7,973
Palm oil:					
Soaps .....	lb.	2,232,667	354,079	917,204	124,352
Slaughtering and meat packing <sup>1</sup> .....	"	9,113,272	1,393,806	12,797,107	1,682,139
Primary iron and steel .....	"	Not available		2,744,724	342,081
Peanut oil:					
Soaps .....	lb.	70,418	2,677	5,638	1,055
Miscellaneous foods .....	"	1,144,093	288,145	90,326	23,988
Slaughtering and meat packing <sup>1</sup> .....	"	11,577,111	2,257,570	4,798,536	834,247
Soya bean oil:					
Paints .....	lb.	1,696,382	258,972	3,437,333	525,044
Soaps .....	"	119,550	18,146	70,083	10,811
Cleaning preparations .....	"	25,255	3,662	16,050	2,810
Confectionery .....	"	206,664	21,560	43,861	9,431
Miscellaneous foods .....	"	1,635,493	407,249	1,194,276	297,278
Slaughtering and meat packing <sup>1</sup> .....	"	43,882,652	6,896,913	55,501,471	9,179,999
Fish packing .....	"	2,800,000	294,616	1,900,000	319,090
Bread and other bakery products .....	"	179,272	41,306	371,719	92,784
Biscuits .....	"	900	85	83,529	20,292
Sunflower seed oil:					
Slaughtering and meat packing <sup>1</sup> .....	lb.	10,874,312	1,912,631	26,330,703	4,687,521
Tall oil:					
Paints .....	lb.	690,488	60,943	865,810	77,401
Miscellaneous chemicals .....	"	1,325,383	69,238	2,177,064	91,989

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. It is estimated that the amount of duplication is about as follows in 1949: coconut oil, 11.8 million pounds; cottonseed oil, 4 million pounds; soya bean oil, 2.5 million pounds; sunflower seed oil, 6.6 million pounds and palm oil, 0.4 million pounds. In 1950 the amount of duplication is about as follows: coconut oil, 11.6 million pounds; cottonseed oil, 11.9 million pounds; peanut oil, 0.3 million pounds; soya bean oil, 3.1 million pounds; sunflower seed oil, 5.6 million pounds and palm oil, 1.2 million pounds.



TABLE 6. Imports and Exports of Specified Commodities Pertaining to The Vegetable Oils Industry, 1950 and 1951

Item	Unit of measure	1950		1951	
		Quantity	Value	Quantity	Value
			\$		\$
(a) Imports					
Nuts, grains and seeds:					
Copra, not prepared.....	lb.	48,325,430	4,815,415	59,192,714	6,640,341
Beans, soya.....	"	240,261,959	12,139,455	279,522,444	16,437,579
Flax seed.....	bushel	417,514	1,451,472	942,646	3,764,148
Millet and rape seed.....	lb.	522,793	27,632	1,137,355	64,940
Oils:					
Cocoonut oil:					
Edible.....	cwt.	12,244	225,037	9,371	176,227
Not edible.....	"	210,688	3,411,247	141,026	2,589,740
Cotton seed oil:					
Edible.....	"	78,714	1,389,790	17,858	425,255
Not edible.....	"	842,854	12,233,995	290,157	6,158,939
Olive oil:					
Edible.....	"	17,861	525,047	9,303	347,396
Not edible.....	"	2,166	52,991	450	18,123
Peanut oil:					
Edible.....	"	2,877	67,198	3,759	94,258
Not edible.....	"	77,631	1,266,570	270,417	6,198,206
Soya bean oil:					
Edible.....	"	46,670	878,794	130,033	2,977,412
Not edible.....	"	39,344	627,095	62,260	1,244,016
Cashew nut shell oil.....	"	1,577	32,046	1,040	23,898
Castor oil.....	"	66,468	1,328,331	51,867	1,632,509
Chinawood oil.....	"	72,540	1,954,932	43,792	1,638,525
Essential oil, natural and synthetic, n.o.p., and non-alcoholic preparations thereof.....	lb.	980,093	2,699,718	913,254	2,771,845
Eucalyptus oil, natural and synthetic.....	"	17,053	13,752	25,918	23,347
Flaxseed or linseed oil, raw or boiled.....	cwt.	6,053	108,278	147,047	2,844,478
Tall oil and tall oil pitch.....	"	44,989	192,958	42,496	211,178
Foots, being the refuse of cotton seed or olives after the oil has been pressed out.....	"	4,050	48,656	1,791	31,769
Oiticica oil.....	"	1,962	41,903	2,691	79,307
Palm oil.....	"	148,040	1,857,541	116,109	2,157,385
Peppermint oil, natural and synthetic.....	lb.	56,469	367,289	53,999	374,716
Rape seed oil, crude or refined.....	cwt.	732	14,892	5,639	136,329
Resin oil.....	"	13,823	87,906	8,709	80,319
Sesame seed oil.....	"	208	6,796	131	5,158
Sunflower seed oil.....	"	163,320	2,554,218	164,434	3,615,702
Vegetable oils and mixtures of animal, mineral and vegetable oils, for textiles.....	"	17,549	424,270	22,352	516,030
Lemon and orange oils, natural or synthetic.....	lb.	159,144	390,058	173,862	599,150
Spearmint oil, natural or synthetic.....	"	24,503	113,623	21,704	123,450
Vegetable oils, n.o.p., not edible.....	cwt.	79,601	1,526,186	83,679	2,066,257
Oilcake and meal:					
Cotton seed cake and cotton seed cake meal.....	cwt.	12,474	37,337	3,423	13,778
Linseed oilcake and linseed oilcake meal.....	"	14,349	53,941	223,881	774,619
Palm nut cake and palm nut cake meal.....	"	400	1,129	1,226	3,172
Soya bean oilcake and soya bean oilcake meal.....	"	349,605	1,265,296	658,724	2,642,216
Soya bean flour.....	"	24,524	269,120	34,723	347,617
(b) Exports:					
Vegetable cooking fats, edible.....	cwt.	7,572	92,319	768	22,988
Linseed oilcake and meal.....	"			176,546	660,934
Soya bean oilcake and meal.....	"	765,247	2,568,123	883,586	3,089,361
Oilcake and oilcake meal, n.o.p.....	"			61,868	166,123
Essential oil.....	lb.	50,141	60,702	60,852	127,955
Foots and other vegetable soap stock.....	cwt.	22,694	83,878	38,015	263,590
Linseed and flaxseed oil.....	gal.	1,946,403	3,151,189	1,290,487	2,598,155
Oils, vegetable, n.o.p., not edible.....	"	399,475	413,880	409,857	636,167
Flax seed, n.o.p.....	bushel	3,452,719	12,858,810	2,412,883	11,027,294



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## CHEMICALS AND ALLIED PRODUCTS

TABLE 7. Employees and Their Earnings in The Vegetable Oils Industry, by Provinces, 1950 and 1951

Province	Number of employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
1950						\$	\$	\$
Ontario .....	92	17	275	—	384	350, 871	796, 954	1, 147, 825
Manitoba .....	21	5	62	—	88	67, 359	88, 790	156, 149
Quebec .....	90	42	185	3	320	433, 776	417, 335	851, 111
Saskatchewan .....								
Alberta .....								
British Columbia .....	203	64	522	3	792	852, 006	1, 303, 079	2, 155, 085
Canada .....								
1951								
Ontario .....	71	22	302	1	396	356, 780	985, 957	1, 342, 737
Manitoba .....	26	5	53	1	85	71, 148	109, 830	180, 978
Quebec .....	80	39	150	1	270	421, 387	371, 877	793, 264
Saskatchewan .....								
Alberta .....								
British Columbia .....	177	66	505	3	751	849, 315	1, 467, 664	2, 316, 979
Canada .....								

## Directory of Firms Included in The Vegetable Oils Industry, 1951

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 Limited .....	Victoria Avenue, Hamilton
The Dominion Linseed Oil Co. Limited .....	Baden
Toronto Elevators, Limited, (Oil Crushing Division) .....	Queen's Quay, Toronto
Victory Mills Limited .....	285 Fleet St. E., Toronto
Manitoba:	
Co-operative Vegetable Oils, Limited .....	Altona
The Dominion Linseed Oil Co. Limited .....	830 Archibald St., St. Boniface
The Sherwin-Williams Co. of Canada Ltd. ....	110 Sutherland Avenue, Winnipeg
Saskatchewan:	
Sask. Co-operative Producers Limited .....	33rd Street, Saskatoon
Alberta:	
The Alberta Linseed Oil Co. Limited .....	Medicine Hat
British Columbia:	
Vegetable Oil Seeds Ltd. ....	Foot Dunlevy Avenue, Vancouver