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THE VEGETABLE OILS INDUSTRY  
1950

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## NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Products
- XIII Transportation Equipment
- XIV Non-ferrous Metal Products
- XV Electrical Apparatus and Supplies
- XVI Non-metallic Mineral Products
- XVII Products of Petroleum and Coal
- XVIII Chemicals and Allied Products

The present report belongs in Group XVIII, 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, 30¢.
- 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

1950

This report presents statistics for the Vegetable Oils Industry and covers all establishments whose principal operations consist of the extraction of vegetable oils, such as linseed, soya bean, coconut, etc. No mention is made of concerns which refined 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 were produced in works classified to the Slaughtering and Meat Packing Industry which is reviewed in a separate bulletin.

There were 15 factories in operation in this industry during 1950, of which 6 were located in

Ontario, 3 in Manitoba, 2 each in Quebec and Saskatchewan and 1 each in Alberta and British Columbia. These concerns gave employment to 792 people, who were paid \$2,155,085 in salaries and wages. Materials used in manufacturing processes cost \$40,213,298 and expenditures for fuel and electricity amounted to \$524,066.

Factory sales in 1950 were valued at \$47,026,547 and included oils at \$30,621,896, oilcake at \$15,811,027, soap at \$100,808 and other products at \$492,816. In 1949, factory sales were reported at \$51,241,541 and in 1948 at \$63,673,373.

TABLE 1. Principal Statistics of The Vegetable Oils Industry, 1946-1950

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
			\$	\$	\$	\$
1946 .....	14	734	1,303,807	252,014	20,441,369	25,453,439
1947 .....	15	746	1,513,798	307,708	32,769,012	38,347,501
1948 .....	16	819	1,885,451	426,314	51,390,930	63,673,373
1949 .....	15	829	2,122,103	477,054	41,631,796	51,241,541
1950 .....	15	792	2,155,085	524,066	40,213,298	47,026,547
Per cent change 1950 from 1949	—	-4.5	+1.6	+9.9	-3.4	-8.2

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, 1949 and 1950

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
			\$	\$	\$	\$
1949						
Ontario .....	6	390	1,078,121	319,792	18,199,281	23,127,637
Manitoba .....	3	73	134,519	34,796	2,459,315	3,411,818
Quebec .....	2	366	909,463	122,466	20,973,200	24,702,086
Saskatchewan .....	2					
Alberta .....	1					
British Columbia .....	1					
Canada .....	15	829	2,122,103	477,054	41,631,796	51,241,541
1950						
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					
Canada .....	15	792	2,155,085	524,066	40,213,298	47,026,547

TABLE 3. Products Manufactured in the Vegetable Oils Industry, 1948 and 1949

Product	Unit of measure	1948		1949	
		Quantity	Selling value at mill	Quantity	Selling value at mill
			\$		\$
Linseed oil:					
Raw (sold as such) .....	gal.	8,696,253	18,210,836	5,847,077	10,724,006
Boiled .....	gal.	1,119,267	2,466,692	1,131,708	2,233,615
Special .....	gal.	3,472,346	7,475,678	3,119,037	6,037,588
<b>Total</b> .....	<b>gal.</b>	<b>13,287,866</b>	<b>28,153,206</b>	<b>10,097,822</b>	<b>18,995,209</b>
Soya bean oil .....	ton	12,460	6,098,343	22,101	7,062,269
Other oils, (cocoanut, peanut, rapeseed, sunflower and mustard seed) .....	ton	31,774	15,392,644	34,568	10,918,745
Linseed oilcake and oilcake meal .....	ton	106,722	7,167,543	78,442	5,236,506
Soya bean oilcake and oilcake meal .....	ton	55,393	4,295,219	99,795	6,975,786
Oilcake and oilcake meal, other .....	ton	26,934	1,553,657	31,302	1,435,735
Linseed or flaxseed meal .....	ton	2,609	198,805	104	24,121
Soap .....	lb.	1,822,886	166,015	1,273,336	110,292
Other products .....	lb.	—	647,941	—	482,878
<b>Total</b> .....	<b>—</b>	<b>—</b>	<b>63,673,373</b>	<b>—</b>	<b>51,241,541</b>

Note. Data according to above breakdown not available after 1949. For 1950 figures on new basis see Table 4.

TABLE 4. Products Manufactured in the Vegetable Oils Industry, 1950

Product	Unit of measure	Quantity made	Factory Sales	
			Quantity	Selling value at works
				\$
<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, cocoanut, sunflower, mustard seed and weed oil) .....	lb.	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 .....	gal.	4,962,701	3,901,249	6,592,331
Soya bean oil .....	lb.	2,269,793	2,329,556	361,493
Other refined oils .....	lb.	801,043	700,301	144,832
<b>Section "C" — Other Products</b>				
Linseed oilcake .....	ton	82,612	81,827	5,647,324
Soya bean oilcake .....	ton	118,932	116,680	9,346,942
Oilcake, other .....	ton	15,869	15,816	816,761
Soap .....	lb.	1,272,650	1,286,533	100,808
Other products .....	—	—	—	492,816
<b>Total</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>47,026,547</b>



TABLE 5. Materials Used in the Vegetable Oils Industry, 1949 and 1950

Material	Unit of measure	1949		1950	
		Quantity	Cost at mills	Quantity	Cost at mills
			\$		\$
Flaxseed, Canadian .....	bushel	4,591,808	18,995,333	4,801,919	18,543,028
Soya beans .....	lb.	257,936,070	11,460,680	294,885,620	14,391,557
Other nuts, grains and seeds .....	lb.	148,621,440	10,124,004	74,044,446	6,091,091
Sulphuric acid, 100% .....	lb.	187,474	4,747	309,267	8,137
Fullers' earth .....	lb.	24,300	285	7,466	101
Caustic soda .....	lb.	182,486	8,129	209,712	23,090
Caustic potash .....	lb.	91,155	4,048	73,920	5,709
Driers .....	gal.	30,161	73,876	18,199	36,056
Celite .....	lb.	57,650	2,512	51,000	2,320
Filtrol .....	lb.	673,026	29,210	857,085	43,929
Press cloth .....	lb.	13,101	15,480	8,614	8,979
Filter cloth .....	yd.	16,286	15,326	16,285	17,159
Containers, etc. ....	—	—	718,223	—	638,569
All other materials .....	—	—	179,943	—	403,573
<b>Total</b> .....	—	—	<b>41,631,796</b>	—	<b>40,213,298</b>

TABLE 6. Available Data on Consumption of Vegetable Oils, 1949

Kind	Industry	Unit of measure	Quantity	Cost at works
				\$
Castor oil .....	Medicinals .....	gal.	3,568	8,335
	Paints .....	gal.	182,086	349,993
	Miscellaneous chemicals .....	gal.	279,574	490,884
	Inks .....	gal.	1,831	5,211
	Oilcloth .....	gal.	38,000	59,563
Chinawood oil .....	Paints .....	lb.	6,741,977	1,556,466
	Miscellaneous chemicals .....	lb.	42,164	8,701
	Inks .....	lb.	33,947	8,593
	Oilcloth .....	lb.	657,574	151,176
Cocoonut oil .....	Slaughtering and meat packing <sup>1</sup> .....	lb.	20,864,322	3,360,375
	Heavy chemicals .....	lb.	540,303	91,851
	Soaps .....	lb.	25,033,445	4,362,042
	Cleaning preparations .....	lb.	27,738	7,509
	Toilet preparations .....	lb.	697,482	133,475
	Miscellaneous chemicals .....	lb.	413,152	83,583
	Confectionery .....	lb.	481,603	124,251
	Tanneries .....	lb.	14,000	2,797
	Miscellaneous foods .....	lb.	2,910,960	734,016
	Biscuits .....	lb.	3,639,159	941,629
Cottonseed oil .....	Bread and other bakery products .....	lb.	42,102	11,874
	Slaughtering and meat packing <sup>1</sup> .....	lb.	61,938,038	9,514,431
	Confectionery .....	lb.	6,948	2,264
	Miscellaneous foods .....	lb.	2,138,243	437,021
	Biscuits .....	lb.	20,155	4,871
	Fish curing and packing .....	lb.	188,000	35,020
	Bread and other bakery products .....	lb.	119,851	30,567
Linseed oil .....	Paints .....	gal.	3,444,194	7,017,605
	Soaps .....	gal.	37,059	67,292
	Plastics .....	gal.	25,456	45,353
	Miscellaneous chemicals .....	gal.	203,450	381,513
	Inks .....	gal.	105,503	206,678
	Linoleum .....	gal.	1,935,000	3,058,047
	Pulp and paper .....	gal.	70,000	105,648

TABLE 6. Available Data on Consumption of Vegetable Oils, 1949 - concluded

Kind	Industry	Unit of measure	Quantity	Cost at works
				\$
Oiticica oil .....	Paints .....	lb.	118,895	22,740
Palm oil .....	Soaps .....	lb.	2,232,867	354,079
	Slaughtering and meat packing .....	lb.	9,113,272	1,393,806
Peanut oil .....	Soaps .....	lb.	70,418	2,877
	Miscellaneous foods .....	lb.	1,144,093	288,145
	Slaughtering and meat packing .....	lb.	11,577,111	2,257,570
Soya bean oil .....	Paints .....	lb.	1,696,382	258,972
	Soaps .....	lb.	119,550	18,146
	Cleaning preparations .....	lb.	25,255	3,662
	Confectionery .....	lb.	206,664	21,560
	Miscellaneous foods .....	lb.	1,635,493	407,249
	Slaughtering and meat packing <sup>1</sup> .....	lb.	43,882,652	6,896,913
	Fish packing .....	lb.	2,800,000	294,616
	Bread and other bakery products .....	lb.	179,272	41,306
Sunflower seed oil .....	Slaughtering and meat packing <sup>1</sup> .....	lb.	10,874,312	1,912,631
Tall oil .....	Paints .....	lb.	690,488	80,943
	Miscellaneous chemicals .....	lb.	1,325,383	69,238

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: cocoanut oil, 10 million pounds, cottonseed oil, 4 million pounds, soya bean oil, 2.5 million pounds and sunflower seed oil, 1.5 million pounds.

TABLE 7. Imports and Exports of Specified Commodities Pertaining to the Vegetable Oils Industry, 1949 and 1950

Item	Unit of measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
<b>(a) Imports</b>					
Nuts, Grains and Seeds:					
Copra, not prepared .....	lb.	56,835,523	4,681,662	48,325,430	4,815,415
Beans, soya .....	lb.	128,533,344	5,463,983	240,261,959	12,139,455
Flax seed .....	bushel	60	474	417,514	1,451,472
Millet and rape seed .....	lb.	911,298	45,330	522,793	27,632
Oils:					
Cocoanut oil:					
Edible .....	cwt.	10,319	200,222	12,244	225,037
Not edible .....	cwt.	51,673	774,905	210,888	3,411,247
Cotton seed oil:					
Edible .....	cwt.	87,176	1,327,246	78,714	1,389,790
Not edible .....	cwt.	593,353	7,238,300	842,854	12,233,995
Olive oil:					
Edible .....	cwt.	7,214	333,838	17,861	525,047
Not edible .....	cwt.	273	10,228	2,168	52,991
Peanut oil:					
Edible .....	cwt.	8,919	198,308	2,877	67,198
Not edible .....	cwt.	46,037	951,951	77,631	1,266,570
Soya bean oil:					
Edible .....	cwt.	84,967	1,201,857	46,670	878,794
Not edible .....	cwt.	19,026	258,572	39,344	627,095
Cashew nut shell oil .....	cwt.	1,020	24,844	1,577	32,046
Castor oil .....	cwt.	58,809	999,170	66,468	1,328,331
Chinawood oil .....	cwt.	76,400	1,738,810	72,540	1,954,932
Essential oil, natural and synthetic, n.o.p., and non-alcoholic preparations thereof .....					
	lb.	789,804	2,193,660	980,093	2,699,718
Eucalyptus oil, natural and synthetic .....	lb.	8,577	4,937	17,053	13,752
Flaxseed or linseed oil, raw or boiled .....	cwt.	974	31,018	6,053	108,278

Item	Unit of measure	1949		1950	
		Quantity	Value	Quantity	Value
			\$		\$
<b>(a) Imports — concluded</b>					
Oils — concluded					
Foots, being the refuse of cotton seed or olives after the oil has been pressed out	cwt.	4, 151	68, 643	4, 050	48, 656
Oiticica oil	cwt.	1, 724	35, 296	1, 962	41, 903
Palm oil	cwt.	127, 248	1, 681, 036	148, 040	1, 857, 541
Peppermint oil, natural and synthetic	lb.	54, 300	344, 854	56, 469	367, 289
Rape seed oil, crude or refined	cwt.	—	—	732	14, 892
Resin oil	cwt.	5, 452	43, 155	13, 823	87, 906
Sesame seed oil	cwt.	226	9, 990	208	6, 796
Sunflower seed oil	cwt.	—	—	163, 320	2, 554, 218
Vegetable oils and mixtures of animal, mineral and vegetable oils, for textiles	cwt.	15, 918	382, 435	17, 549	424, 270
Lemon and orange oils, natural or synthetic	lb.	129, 362	283, 171	159, 144	390, 058
Spearmint oil, natural or synthetic	lb.	28, 689	143, 458	24, 503	113, 623
Vegetable oils, n.o.p., not edible	cwt.	212, 661	3, 332, 094	79, 601	1, 526, 186
Oilcake and Meal:					
Cotton seed cake and cotton seed cake meal	cwt.	6, 000	21, 486	12, 474	37, 337
Linseed oilcake and linseed oilcake meal	cwt.	7, 900	26, 439	14, 349	53, 941
Palm nut cake and palm nut cake meal	cwt.	1, 206	3, 967	400	1, 129
Soya bean oilcake and soya bean oilcake meal	cwt.	594, 396	2, 100, 084	349, 605	1, 265, 296
Soya bean flour	cwt.	18, 090	175, 974	24, 524	269, 120
<b>(b) Exports:</b>					
Vegetable cooking fats, edible	cwt.	13, 475	251, 383	7, 572	92, 319
Oilcake and oilcake meal	cwt.	453, 122	1, 349, 397	765, 247	2, 568, 123
Essential oil	lb.	10, 382	32, 425	50, 141	60, 702
Foots and other vegetable soap stock	cwt.	22, 572	58, 647	22, 694	83, 878
Linseed and flaxseed oil	gal.	4, 610, 417	8, 177, 399	1, 946, 403	3, 151, 189
Oils, vegetable, n.o.p., not edible	gal.	2, 540, 635	3, 847, 825	399, 475	413, 880
Flax seed, n.o.p.	bushel	4, 085, 179	15, 896, 725	3, 452, 719	12, 858, 810

Province	Number of employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
<b>1949</b>						\$	\$	\$
Ontario .....	90	21	279	—	390	359,011	719,110	1,078,121
Manitoba .....	20	1	52	—	73	56,083	78,436	134,519
Quebec .....	92	45	228	1	366	405,584	503,879	909,463
Saskatchewan .....								
Alberta .....								
British Columbia .....								
<b>Canada .....</b>	<b>202</b>	<b>67</b>	<b>559</b>	<b>1</b>	<b>829</b>	<b>820,678</b>	<b>1,301,425</b>	<b>2,122,103</b>
<b>1950</b>								
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 .....								
<b>Canada .....</b>	<b>203</b>	<b>64</b>	<b>522</b>	<b>3</b>	<b>792</b>	<b>852,006</b>	<b>1,303,079</b>	<b>2,155,085</b>





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## CHEMICALS AND ALLIED PRODUCTS

## Directory of Firms Included in the Vegetable Oils Industry, 1950

Name of Firm	Location of Plant
<b>Quebec:</b>	
The Canada Linseed Oil Mills Limited .....	2215 Notre Dame St. E., Montreal
The Sherwin-Williams Co. of Canada Ltd. ....	2875 Centre St., Montreal
<b>Ontario:</b>	
The Canada Linseed Oil Mills, Limited .....	40 Wabash Avenue, Toronto
Canadian Vegetable Oils Limited .....	Victoria Avenue, Hamilton
The Dominion Linseed Oil Co. Limited .....	Baden
Edible Oils Limited .....	Fort William
Toronto Elevators, Limited, (Oil Crushing Division) .....	Queen's Quay, Toronto
Victory Mills Limited .....	265 Fleet St. E., Toronto
<b>Manitoba:</b>	
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
<b>Saskatchewan:</b>	
Prairie Vegetable Oils, Limited .....	123 Selwyn St. E., Moose Jaw
Sask. Co-operative Producers Limited .....	33rd Street, Saskatoon
<b>Alberta:</b>	
The Alberta Linseed Oil Co. Limited .....	Medicine Hat
<b>British Columbia:</b>	
Vegetable Oil Seeds Ltd. ....	Foot Dunlevy Avenue, Vancouver