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CANADA

THE VEGETABLE OILS INDUSTRY 1952

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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 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 Fertilizers 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

1952

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, coconut, 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 1952, 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 723 people, who were paid \$2,428,287 in salaries and wages. Materials used in manufacturing processes cost \$44,478,536 and expenditures for fuel and electricity amounted to \$581,146.

Factory sales in 1952 were valued at \$51,931,990 and included oils at \$29,779,290, oilcake at \$21,238,192, soap at \$75,235 and other products at \$839,273. In 1951, factory sales were reported at \$60,202,123 and in 1950, at \$47,026,547.

TABLE 1. Principal Statistics of The Vegetable Oils Industry, 1948-1952

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
			\$	\$	\$	\$
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
1951.....	13	751	2,316,979	623,871	48,729,012	60,202,123
1952.....	13	723	2,428,287	581,146	44,478,536	51,931,990
Per cent change 1952 from 1951.....	—	-3.7	+4.8	-6.2	-8.7	-13.7

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, 1951 and 1952

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
			\$	\$	\$	\$
1951						
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					
Saskatchewan.....	1					
Alberta.....	1	270	793,264	115,079	14,614,396	18,734,759
British Columbia.....	1					
Canada.....	13	751	2,316,979	623,871	48,729,012	60,202,123
1952						
Ontario.....	5	392	1,406,538	426,186	31,188,130	35,293,501
Manitoba.....	3	75	201,749	49,964	1,971,833	2,525,835
Quebec.....	2					
Saskatchewan.....	1					
Alberta.....	1	256	820,000	104,996	11,318,573	14,112,654
British Columbia.....	1					
Canada.....	13	723	2,428,287	581,146	44,478,536	51,931,990

TABLE 3. Products Manufactured in The Vegetable Oils Industry, 1951 and 1952

Product	Unit of measure	Quantity made	Factory Sales	
			Quantity	Selling value at works
				\$
1951				
Section "A" — Oils, raw or crude (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, cocoanut, sunflower, mustard seed and weed oil)	"	40,335,306	38,702,983	7,064,073
Section "B" — Oils, processed				
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
Section "C" — Other products				
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
Total	—	—	—	60,202,123
1952				
Section "A" — Oils, raw or crude (Total production whether for sale or for further processing)				
Linseed oil	gal.	7,383,015	4,085,762	7,066,498
Soya bean oil.....	lb.	71,633,704	71,374,124	10,323,951
Other oils (rapeseed, cocoanut, sunflower, mustard seed and weed oil)	"	40,924,565	40,561,544	4,206,552
Section "B" — Oils, processed				
Linseed oil, boiled.....	gal.	514,098	588,592	1,083,989
Linseed oil, special.....	"	3,644,885	3,228,520	7,053,725
Soya bean oil	lb.	73,848	36,960	7,009
Other refined oils	"	353,849	133,592	37,566
Section "C" — Other products				
Linseed oilcake	ton	61,812	59,072	4,981,043
Soya bean oilcake.....	"	172,369	171,390	15,474,894
Oilcake, other.....	"	11,089	11,089	782,255
Soap	lb.	1,075,498	1,002,688	75,235
Other products.....	—	—	—	839,273
Total.....	—	—	—	51,931,990

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, 1951 and 1952

Material	Unit of measure	1951		1952	
		Quantity	Cost at mills	Quantity	Cost at mills
			\$		\$
Flaxseed	bushel	3,661,136	14,500,216	3,661,402	15,458,623
Soya beans	lb.	446,271,484	24,992,860	431,359,280	22,408,905
Other nuts, grains and seeds	"	74,572,789	7,569,779	68,079,984	4,511,093
Sulphuric acid, 100%	"	244,766	7,000	279,490	7,305
Fuller's earth	"	5,782	71	2,780	15
Caustic soda	"	188,049	24,699	217,931	10,042
Caustic potash	"	61,169	4,856	120,599	9,625
Driers	gal.	24,839	27,534	19,203	25,306
Celite	lb.	155,666	8,462	53,444	3,391
Filtrol	"	848,699	50,250	657,080	34,470
Press cloth	"	1,957	3,532	2,131	1,939
Filter cloth	yd.	8,687	9,783	5,817	7,188
Containers, etc	—	—	777,755	—	796,605
All other materials	—	—	752,215	—	1,204,029
Total.....	—	—	48,729,012	—	44,478,536

Note: See footnote to Table 3.

TABLE 5. Available Data on Consumption of Vegetable Oils, by Industries, 1950 and 1951

Industry	Unit of measure	1950		1951	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Castor oil:					
Medicinals	gal.	10,769	27,917	6,197	23,655
Paints	"	241,128	613,457	242,101	957,029
Miscellaneous chemicals	"	352,668	630,578	271,777	776,750
Inks	"	2,913	6,735	4,219	16,912
Oilcloth	"	33,800	55,934	24,000	61,309
Tanneries	"	1,800	2,707	1,600	3,048
Chinawood oil:					
Paints	lb.	6,298,265	1,765,543	5,398,244	1,906,199
Miscellaneous chemicals	"	3,058	833	17,218	6,171
Inks	"	72,104	20,447	80,481	29,428
Oilcloth	"	226,831	57,551	41,440	11,470
Miscellaneous non-metallic mineral products	"	53,000	15,420	—	—
Cocoanut oil:					
Slaughtering and meat-packing 1	lb.	24,036,842	4,202,966	33,825,054	6,622,153
Heavy chemicals	"	794,644	145,183	377,167	75,769
Soaps	"	25,123,638	4,418,121	18,705,919	3,617,981
Cleaning preparations	"	24,066	6,897	14,885	3,382
Toilet preparations	"	813,250	150,961	715,550	137,815
Miscellaneous chemicals	"	805,962	168,305	464,873	99,794
Confectionery	"	684,923	167,961	386,614	97,434
Tanneries	"	16,316	3,201	4,381	1,078
Miscellaneous foods	"	3,458,193	835,151	5,548,027	1,522,050
Biscuits	"	4,145,129	956,704	3,559,006	831,584
Bread and other bakery products	"	59,565	16,241	45,657	13,312

TABLE 3. Available Data on Consumption of Vegetable Oils, by Industries, 1950 and 1951 - Concluded

Industry	Unit of measure	1950		1951	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Cottonseed oil:					
Slaughtering and meat-packing ¹	lb.	81,502,125	13,918,571	28,919,373	7,421,264
Confectionery	"	4,699	1,504	25,827	13,539
Miscellaneous foods	"	4,727,670	1,171,449	4,176,120	1,169,177
Biscuits	"	53,089	12,570	30,212	8,368
Fish-curing and packing	"	625,000	128,463	206,000	47,355
Bread and other bakery products	"	193,071	50,067	186,640	44,326
Oilcloth	"	68,683	18,610	43,597	16,132
Linseed oil:					
Paints	gal.	3,937,729	7,151,110	3,670,866	7,228,790
Soaps	"	33,648	60,974	32,345	63,983
Plastics	"	22,290	42,000	22,731	50,035
Miscellaneous chemicals	"	370,838	710,242	281,151	590,568
Inks	"	124,720	226,355	185,046	402,485
Linoleum	"	1,853,000	3,139,000	1,432,000	3,296,088
Pulp and paper	"	3,600	5,827	—	—
Miscellaneous non-metallic mineral products ..	"	35,000	64,000	25,852	50,278
Primary iron and steel	"	20,669	23,623	36,719	53,871
Cleaning preparations	"	1,350	2,894	1,798	3,421
Polishes & dressings	"	4,735	8,661	3,801	7,053
Oiticica oil:					
Paints	lb.	31,328	7,973	212,984	67,833
Palm oil:					
Soaps	lb.	917,204	124,352	182,381	33,209
Slaughtering and meat-packing ¹	"	12,797,107	1,682,139	9,853,192	2,054,546
Primary iron and steel	"	2,744,724	342,081	1,678,021	326,747
Peanut oil:					
Soaps	lb.	5,638	1,055	2,300	480
Miscellaneous foods	"	90,326	23,988	335,355	93,211
Slaughtering and meat-packing ¹	"	4,798,536	834,247	26,695,765	6,745,360
Soya bean oil:					
Paints	lb.	3,437,333	525,044	3,293,607	759,586
Soaps	"	70,083	10,811	29,986	7,171
Cleaning preparations	"	16,050	2,810	16,700	4,442
Confectionery	"	43,861	9,431	19,771	6,687
Miscellaneous foods	"	1,194,276	297,278	6,706,070	1,798,307
Slaughtering and meat-packing ¹	"	55,501,471	9,179,999	69,948,280	16,029,815
Fish-packing	"	1,900,000	319,090	2,780,000	564,889
Bread and other bakery products	"	371,719	92,784	351,115	95,197
Biscuits	"	83,529	20,292	23,830	8,405
Plastics	"	625,000	114,700	1,496,284	266,740
Sunflower seed oil:					
Slaughtering and meat-packing ¹	lb.	26,330,703	4,687,521	19,531,574	5,028,535
Tall oil:					
Paints	lb.	865,810	77,401	607,230	55,841
Miscellaneous chemicals	"	2,177,064	91,989	1,913,197	101,122

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 1950: 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. In 1951 the amount of duplication is about as follows: coconut oil, 12.6 million pounds; cottonseed oil, 2.7 million pounds; peanut oil, 0.3 million pounds; soya bean oil, 2.2 million pounds; sunflower seed oil, 5.7 million pounds and palm oil 2.2 million pounds.

TABLE 6. Imports and Exports of Specified Commodities Pertaining to The Vegetable Oils Industry, 1931 and 1932

Item	Unit of measure	1931		1932	
		Quantity	Value	Quantity	Value
			\$		\$
(a) Imports					
Nuts, grains and seeds:					
Copra, not prepared	lb.	59,192,714	6,640,341	69,115,871	4,531,567
Beans, soya	"	279,522,444	16,437,579	280,818,872	14,029,875
Flax seed	bushel	942,646	3,764,148	119,306	596,337
Millet and rape seed	lb.	1,137,355	64,940	1,211,465	74,383
Oils:					
Cocoanut oil:					
Edible	cwt.	9,371	176,227	23,513	386,869
Not edible	"	141,026	2,589,740	133,985	1,451,562
Cotton seed oil:					
Edible	"	17,858	425,255	14,736	238,430
Not edible	"	290,157	6,158,939	642,421	7,725,354
Olive oil:					
Edible	"	9,303	347,396	17,726	532,523
Not edible	"	450	18,123	592	16,245
Peanut oil:					
Edible	"	3,759	94,258	3,850	80,700
Not edible	"	270,417	6,198,206	14,502	222,787
Soya bean oil:					
Edible	"	130,033	2,977,412	64,174	895,511
Not edible	"	62,260	1,244,016	92,624	1,177,239
Cashew nut shell oil	"	1,040	23,898	2,270	57,181
Castor oil	"	51,867	1,632,509	34,748	929,561
Chinawood oil	"	43,792	1,638,525	52,287	1,680,331
Essential oil, natural and synthetic, n.o.p., and non-alcoholic preparations thereof	lb.	913,254	2,771,845	872,799	2,268,597
Eucalyptus oil, natural and synthetic	"	25,918	23,347	15,331	14,986
Flaxseed or linseed oil, raw or boiled	cwt.	147,047	2,844,478	20,340	404,768
Tall oil and tall oil pitch	"	42,496	211,178	36,974	153,853
Foots, being the refuse of cotton seed or olives after the oil has been pressed out	"	1,791	31,769	1,802	21,368
Oiticica oil	"	2,691	79,307	2,303	57,561
Palm oil	"	116,109	2,157,385	83,786	887,232
Peppermint oil, natural and synthetic	lb.	53,999	374,716	65,538	403,561
Rape seed oil, crude or refined	cwt.	5,639	136,329	1,527	27,225
Resin oil	"	8,709	80,319	5,402	43,674
Sesame seed oil	"	131	5,158	146	6,365
Sunflower seed oil	"	164,434	3,615,702	21,350	307,983
Vegetable oils and mixtures of animal, mineral and vegetable oils, for textiles	"	22,352	516,030	22,620	472,204
Lemon and orange oils, natural or synthetic	lb.	173,862	599,150	156,486	475,767
Spearmint oil, natural or synthetic	"	21,704	123,450	31,780	194,757
Vegetable oils, n.o.p., not edible	cwt.	83,679	2,066,257	103,573	1,496,820
Oilcake and meal:					
Cotton seed cake and cotton seed cake meal	cwt.	3,423	13,778	4,460	16,130
Linseed oilcake and linseed oilcake meal	"	223,881	774,619	58,954	219,137
Palm nut cake and palm nut cake meal	"	1,226	3,172	626	2,211
Soya bean oilcake and soya bean oilcake meal	"	658,724	2,642,216	328,579	1,421,975
Soya bean flour	"	34,723	347,617	49,496	426,183
Peanut oilcake and meal	"	—	—	600	3,054
(b) Exports					
Vegetable cooking fats, edible	cwt.	768	22,988	816	20,121
Linseed oilcake and meal	"	176,546	660,934	144,619	646,792
Soya bean oilcake and meal	"	883,586	3,089,361	869,387	3,945,002
Oilcake and oilcake meal, n.o.p.	"	61,868	166,123	63,688	230,645
Essential oil	lb.	60,852	127,955	34,915	89,950
Foots and other vegetable soap stock	cwt.	38,015	263,590	42,684	76,068
Linseed and flaxseed oil	gal.	1,290,487	2,598,155	2,185,385	3,372,654
Oils, vegetable, n.o.p., not edible	"	409,857	636,167	410,332	494,700
Flax seed, n.o.p.	bushel	2,412,883	11,027,294	4,050,177	16,038,292



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CHEMICALS AND ALLIED PRODUCTS

TABLE 7. Employees and Their Earnings in The Vegetable Oils Industry, by Provinces, 1951 and 1952

Province	Number of employees					Earnings		
	Supervisory and office		Workmen		Total	Supervisory and office	Workmen	Total
	Male	Female	Male	Female				
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								
Canada	177	66	505	3	751	849,315	1,467,664	2,316,979
1952								
Ontario	79	21	291	1	392	417,010	989,528	1,406,538
Manitoba	21	3	50	1	75	73,152	128,597	201,749
Quebec	77	40	138	1	256	449,559	370,441	820,000
Saskatchewan								
Alberta								
British Columbia								
Canada	177	64	479	3	723	939,721	1,488,566	2,428,287

TABLE 8. Capital and Repair Expenditures in the Vegetable Oils Industry, 1948-1952

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construc- tion	Machinery and equipment		Construc- tion	Machinery and equipment		
				\$'000			
1948	71	2,149	2,220	777	2,325	3,102	5,322
1949	499	909	1,408	142	392	534	1,942
1950	84	421	505	181	356	537	1,042
1951	350	734	1,084	81	568	649	1,733
1952 ¹	397	1,233	1,630	96	576	672	2,302

1. Preliminary

Directory of Firms Included in The Vegetable Oils Industry, 1952

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