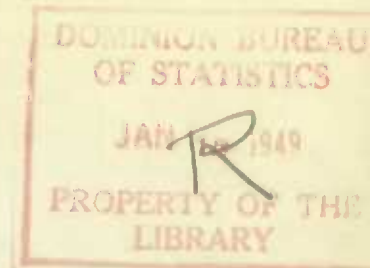


82-223 CB

Published by Authority of the Rt. Hon. C. D. Howe, M.P.,
Minister of Trade and Commerce



CANADA

DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

+ + + *Industry and Merchandising Division* + + +

GENERAL MANUFACTURES SECTION

REPORT

ON THE

VEGETABLE OIL INDUSTRY

IN

CANADA

1947



**OTTAWA
1949**

THE CANADIAN
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OTTAWA - CANADA

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THE VEGETABLE OIL INDUSTRY IN CANADA, 1947

Under the above heading are now included all manufacturers whose principal operations consist of the extraction or processing of vegetable oils, such as linseed, soybean, cocoanut, etc. This industry was formerly known as "The Linseed and Soybean Oil Industry" but the change in name, which now embraces producers of all vegetable oils, was necessitated by the inclusion of the processing of cocoanut oil, peanut oil, rapeseed oil and sunflower oil.

In 1947 there were 15 plants in operation, located as follows: Quebec 3, Ontario 5, Manitoba 3, Saskatchewan 2, Alberta 1, and British Columbia 1. These plants furnished employment to 746 persons who were paid \$1,513,798 in salaries and wages. They spent \$32,769,012 for materials and produced goods with a selling value at the factory of \$38,347,501.

Linseed oil is the principal item of production, the output in 1947 amounting to 10,362,951 gallons valued at \$14,662,084. Linseed oilcake and meal had an output of 86,116 tons and value of \$3,482,908. The production of soybean oil was 12,071 tons valued at \$4,391,579 and other oils 30,068 tons valued at \$11,367,661. Detailed statistics of production will be found in Table 3.

Compared with the previous year, there was an increase of \$12,894,062 in the gross value of production and an increase of \$12,297,643 in the cost of materials used. Employment increased by 12 with an increase of \$209,991 in salaries and wages paid. Although the volume of production in 1947 was only slightly higher than in the previous year the total selling value increased by the \$12,894,062, mentioned above. Compared with 1946 there was a decrease of 947,125 gallons in the output of linseed oil but an increase of \$5,685,465 in the selling value. Other oils increased from 40,612 tons to 42,139 tons, an increase of 1,527 tons. Oilcake and meal increased by 8,353 tons and the selling value by \$845,182.

Flaxseed comprises the most important material used by this industry and accounted for almost 46 per cent of the total value of materials used. Before the war this industry used large quantities of imported flaxseed. Fifty-three per cent of the total flaxseed used in 1939 was imported. However, since 1942 all flaxseed used was of domestic origin.

Detailed statistics of production, employment, materials used, imports, exports, etc., are given in the tables following.

THE VEGETABLE OIL INDUSTRY IN CANADA, 1947

Table 1. - Principal Statistics, 1926 - 1947

Year	Estab- lish- ments	Capital Invested	Em- ployes	Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1926	8	2,691,550	231	282,632	5,364,364	6,486,924
1927	8	2,341,733	239	308,602	4,840,168	5,839,314
1929	8	2,708,387	239	327,220	5,578,539	6,502,633
1930	8	3,426,727	250	325,564	6,476,883	7,410,433
1931	8	2,690,475	226	299,377	2,989,123	3,951,761
1932	9	2,821,849	218	280,057	2,162,862	2,852,881
1933	10	3,022,676	201	222,759	1,542,119	2,086,557
1935	8	2,228,003	194	235,347	2,365,776	3,068,776
1936	10	2,544,705	219	259,740	3,279,241	4,101,782
1937	11	2,450,557	242	293,443	4,036,075	5,049,528
1938	11	2,397,021	212	252,020	2,808,142	3,680,647
1939	9	3,125,013	239	273,309	3,099,816	4,156,510
1940	9	3,318,040	258	321,661	4,608,045	5,727,494
1941	10	3,454,898	313	412,125	6,180,424	8,120,189
1942	10	3,567,297	351	458,220	7,624,294	9,481,450
1943	11	4,249,673	393	592,673	7,609,395	9,488,623
1944	11	Not Collected	462	728,586	10,641,800	13,187,683
1945	13	" "	616	1,032,839	16,658,320	20,098,109
1946	14	" "	734	1,303,807	20,441,369	25,453,439
1947	15	" "	746	1,513,798	32,769,012	38,347,501

Table 2. - Principal Statistics Compared

Items		1946	1947	Increase + Decrease -
Establishments reporting	No.	14	15	+ 1
Employees on salaries -				
Male	No.	85	111	+ 26
Female	No.	34	37	+ 3
Total Salaries	\$	314,024	415,610	+ 101,586
Employees on wages -				
Male	No.	609	592	- 17
Female	No.	6	6	0
Total Wages	\$	989,783	1,098,188	+ 108,405
Power equipment -				
Units	No.	955	1,151	+ 196
Horse Power capacity	H.P.	9,101	12,172	+ 3,071
Cost of fuel and electricity ..	\$	252,014	307,708	+ 55,694
Cost of materials used	\$	20,441,369	32,739,012	+ 12,297,643
Gross value of products	\$	25,453,439	38,347,501	+ 12,894,062
Value added by manufacture	\$	4,760,056	5,300,781	+ 540,725

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 VEGETABLE OIL INDUSTRY IN CANADA, 1947

Table 3. - Production, By Quantity and Value

Classes of Products	Unit of Measure	1 9 4 6		1 9 4 7	
		Quantity	Selling Value	Quantity	Selling Value
			At Mill		At Mill
			\$		\$
Linseed Oil - Total	Gal..	11,310,076	8,976,619	10,362,951	14,662,084
Raw	"	6,704,525	5,210,902	5,650,674	7,903,598
Boiled	"	1,089,005	848,000	894,542	1,320,948
Special	"	3,516,546	2,917,717	3,817,735	5,437,538
Soybean oil	Ton	8,038	2,322,232	12,071	4,391,579
Other oils, (cocoanut, peanut, rapeseed, sunflower and mustard seed)	"	32,574	7,126,632	30,068	11,367,661
Linseed oilcake and oilcake meal ..	"	90,386	3,549,155	86,116	3,482,908
Soybean oilcake and oilcake meal ..	"	38,751	1,968,018	54,484	2,875,864
Oilcake and oilcake meal, other ..	"	25,444	890,076	22,334	893,659
Linseed or flaxseed meal	"	110	9,943	103	14,113
Soap	Lb.	2,682,975	136,898	2,635,242	181,365
Other products	-	-	473,866	-	478,268
TOTAL SELLING VALUE OF PRODUCTS			25,453,439		38,347,501

Table 4. - Materials Used

Principal Materials	Unit of Measure	1 9 4 6		1 9 4 7	
		Quantity	Cost Value	Quantity	Cost Value
			at Mill		at Mill
			\$		\$
Flaxseed, Canadian	Bus.	5,172,366	9,290,678	4,912,358	15,059,737
Soybeans	Lb.	104,428,680	3,557,460	145,403,296	5,708,435
Peanuts, copra, rapeseed, sunflower and mustard seed	"	122,915,763	6,796,825	111,521,684	11,064,703
Sulphuric acid	"	270,578	6,372	498,431	10,031
Fullers' earth	"	27,260	145	27,043	271
Caustic soda	"	158,348	6,794	159,533	6,504
Caustic potash	"	151,194	13,965	219,493	16,154
Driers	Gal.	38,564	28,860	29,380	36,024
Celite	Lb.	120,578	5,777	111,850	4,032
Filtrol	"	630,993	24,301	707,364	28,310
Press cloth	"	68,350	76,398	58,375	70,860
Filter cloth	Yd.	17,608	10,999	17,588	13,683
Containers, etc.....	-	-	578,401	-	594,512
All other materials	-	-	44,394	-	155,756
TOTAL COST OF MATERIALS			20,441,369		32,769,012

THE VEGETABLE OIL INDUSTRY IN CANADA, 1947

Table 5. - Principal Statistics Grouped According to the Size of Establishment

Establishments having a production of:	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
<u>1946</u>						
Under \$5,000	-		-	-	-	-
\$ 5,000 to \$ 25,000 ..	-	Not	-	-	-	-
\$ 25,000 to \$ 50,000 ..	-	Collected	-	-	-	-
\$ 50,000 to \$ 100,000 ..	-	For	-	-	-	-
\$100,000 to \$ 500,000 ..	1)	This				
\$500,000 to \$1,000,000..	6)	Year	232	379,158	3,658,212	4,773,892
\$1,000,000 and over	7		502	924,649	16,783,157	20,679,547
TOTAL	14		734	1,303,807	20,441,369	25,453,439
<u>1947</u>						
Under \$5,000	-		-	-	-	-
\$ 5,000 to \$ 25,000 ..	-	Not	-	-	-	-
\$ 25,000 to \$ 50,000 ..	-	Collected	-	-	-	-
\$ 50,000 to \$ 100,000 ..	-	For	-	-	-	-
\$100,000 to \$ 500,000 ..	1)	This				
\$500,000 to \$1,000,000..	3)	Year	103	182,781	2,317,557	2,881,929
\$1,000,000 and over	11		643	1,331,017	30,451,455	35,465,572
TOTAL	15		746	1,513,798	32,769,012	38,347,501

Table 6. - Employment of Wage-earners, by Months

Months	Number of Wage-earners			
	1946		1947	
	Male	Female	Male	Female
January	620	6	657	7
February	630	6	654	7
March	657	6	630	7
April	621	6	584	7
May	627	6	596	6
June	608	6	561	5
July	566	6	562	4
August	551	6	543	3
September	590	6	544	4
October	602	6	592	4
November	617	6	651	5
December	608	6	520	5
MONTHLY AVERAGE	609	6	592	6

THE VEGETABLE OIL INDUSTRY IN CANADA, 1947.

Table 7. - Power Equipment

Kinds of Power		1946		1947	
		Number of Units	Horse-power according to Manufacturers' rating	Number of Units	Horse-power according to Manufacturers' rating
Steam engines and turbines	In use	7	46	7	46
Gasoline, gas and oil engines ..	In use	1	85	3	120
	Idle	2	25	-	-
Hydraulic turbines or water wheels	In use	1	50	1	100
	Idle	2	100	2	60
Electric motors operated by purchased power	In use	881	8,225	1,072	11,144
	Idle	61	570	66	702
TOTAL POWER AVAILABLE FOR MANUFACTURING		955	9,101	1,151	12,172
Boilers - In use		8	1,041	8	1,457
	Idle	1	80	2	230

Table 8. - Fuel and Electricity

Kind of Fuel Used		1946		1947	
		Quantity	Cost Value at Works	Quantity	Cost Value at Works
			\$		\$
Bituminous Coal -					
Canadian	Ton	2,067	16,171	10,013	83,219
Imported	"	10,434	88,606	3,379	30,674
Anthracite coal	"	-	-	48	480
Lignite coal	"	615	3,337	1,163	5,859
Wood	Cord	80	480	148	1,077
Gasoline	Gallon	16,294	5,186	19,091	6,322
Fuel oil	"	81,455	5,339	355,558	30,269
Gas, natural	M cu.ft.	1,560	385	1,882	341
Other fuel (steam, etc.)	-	-	5,520	-	4,552
TOTAL COST OF FUEL		-	125,024	-	162,793
Cost of electricity purchased (including service charges) ..	Kw. H.	17,086,546	126,990	17,951,785	144,915
TOTAL COST OF FUEL AND ELECTRICITY		-	252,014	-	307,708

THE VEGETABLE OIL INDUSTRY IN CANADA, 1947

Table 9. - Imports of Products Made or Used by the Vegetable Oil Industry for the Calendar Years, 1946 and 1947.

Articles by Countries	Unit of Measure	1 9 4 6		1 9 4 7	
		Quantity	Value	Quantity	Value
			\$		\$
Flaxseed or linseed oil,					
boiled or raw	Cwt.	1,180	27,812	2,873	92,996
Flaxseed	Bushels	1,518	10,787	832	6,183
Linseed oilcake and meal	Cwt.	50	140	-	-
Cottonseed oilcake and meal .	Cwt.	-	-	3,280	18,898
Cottonseed and crude					
cottonseed oil	Cwt.	82,555	1,167,687	49,321	1,451,555
Soybean oilcake and meal	Cwt.	27,850	114,777	919,041	3,248,203
Cocoonut oil, not edible	Cwt.	2,594	53,462	25,767	414,813
Rapeseed oil	Cwt.	86	1,507	17	670
Sunflower Seed oil	Cwt.	148,663	4,145,505	329,480	10,442,176
Palm oil, not edible	Cwt.	236,930	1,264,288	141,775	1,279,094
Peanut oil, not edible.....	Cwt.	10,531	259,356	89,866	2,216,807
Vegetable oils, n.o.p.,					
not edible	Cwt.	5,452	87,451	5,497	157,409
Soybean oil, for manufac-					
turing purposes	Cwt.	554	10,654	1,278	26,993
Soy beans	Pounds	68,139,291	3,797,359	87,433,636	5,002,654

Table 10. - Exports of Products Made or Used by the Vegetable Oil Industry for the Calendar Years 1946 and 1947

Articles by Countries	Unit of Measure	1 9 4 6		1 9 4 7	
		Quantity	Value	Quantity	Value
			\$		\$
Flaxseed or linseed oil	Gallons	2,377,811	3,197,380	1,374,866	3,133,277
Flaxseed for sowing	Bushels	29,550	171,147	194,201	1,239,073
Flaxseed, n.o.p.	Bushels	3,399	11,107	2,092	15,746
Oilcake and oilcake meal	Cwt.	21,069	58,087	14,524	43,635

THE VEGETABLE OIL INDUSTRY IN CANADA, 1947

Firms engaged in the Vegetable Oil Industry in Canada, 1947

QUEBEC

The Canada Linseed Oil Mills Limited,	2210 Notre Dame Street East, Montreal
The Dominion Linseed Oil Co. Limited,	837 Mill Street, Montreal
The Sherwin-Williams Co. of Canada Ltd.,	2875 Centre Street, 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 Street East, Toronto

MANITOBA

Co-operative Vegetable Oils, Limited,	Altona
The Dominion Linseed Oil Co. Limited,	830 Archibald Street, St. Boniface
The Sherwin-Williams Co. of Canada Ltd.,	110 Sutherland Avenue, Winnipeg

SASKATCHEWAN

Prairie Vegetable Oils, Limited,	423 Selwyn Street East, Moose Jaw
Sask. Co-operative Producers Limited,	33rd Street, Saskatoon

ALBERTA

The Alberta Linseed Oil Co. Limited,	Medicine Hat
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BRITISH COLUMBIA

B.C. Vegetable Oils, Limited,	Foot Dunlevy Avenue, Vancouver.
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