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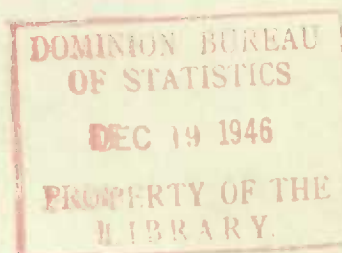
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Minister of Trade and Commerce

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**CANADA**  
**DEPARTMENT OF TRADE AND COMMERCE**  
**DOMINION BUREAU OF STATISTICS**  
**CENSUS OF INDUSTRY**  
**GENERAL MANUFACTURING STATISTICS**

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**REPORT**  
**ON THE**  
**VEGETABLE OIL INDUSTRY**  
**IN**  
**CANADA**  
**1945**



OTTAWA  
1946

Price 15 cents

14-1470



DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

GENERAL MANUFACTURING STATISTICS

OTTAWA -- CANADA

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THE VEGETABLE OIL INDUSTRY IN CANADA, 1945

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 1945 there were 13 plants in operation, located as follows: Quebec 3, Ontario 5, Manitoba 2, Saskatchewan 1, Alberta 1, and British Columbia 1. These plants furnished employment to 616 persons who were paid \$1,032,839 in salaries and wages. They spent \$16,658,320 for materials and produced goods with a selling value at the factory of \$20,098,109.

Linseed oil is the principal item of production, the output in 1945 amounting to 10,029,517 gallons valued at \$7,489,814. This is followed by linseed oilcake and meal with an output of 82,274 tons and value of \$3,261,079. Detailed statistics of production are given in Table 3.

Compared with the previous year, there was an increase of \$6,910,426 in the gross value of production and an increase of \$6,016,520 in the cost of materials used. Employment increased by 154, with an increase of \$304,253 in salaries and wages paid. The volume of production in 1945 was considerably higher than in the previous year. Compared with 1944 there was an increase of 249,774 gallons in the output of linseed oil with an increase of \$147,279 in the selling value. Other oils increased from 22,899,890 pounds to 55,585,729 pounds, an increase of 32,685,839 pounds. Linseed oilcake and meal increased by 4,351 tons and the selling value by \$227,140.

Flaxseed comprises the most important material used by this industry and accounted for about 49 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, in 1942, 1943, 1944 and 1945 of the 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, 1945

Table 1. - Principal Statistics, 1926 - 1945

Year	Estab- lish- ments No.	Capital Invested \$	Em- ployees No.	Salaries and Wages \$	Cost of Materials Used \$	Gross Value of Products \$
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
1928	8	2,394,331	235	322,771	5,514,568	6,281,055
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
1934	10	2,394,498	200	239,411	1,996,802	2,644,074
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	16,618,320	20,098,109

Table 2. - Principal Statistics Compared.

Items		1944	1945	Increase + Decrease -
Establishments reporting	No.	11	13	+ 2
Employees on salaries -				
Male	No.	49	72	+ 23
Female	No.	26	35	+ 9
Total Salaries	\$	153,759	260,167	+ 106,408
Employees on wages -				
Male	No.	380	499	+ 119
Female	No.	7	10	+ 3
Total wages	\$	574,827	772,672	+ 197,845
Power equipment -				
Units	No.	570	902	+ 332
Horse Power capacity	H. P.	5,721	8,704	+ 2,983
Cost of fuel and electricity	\$	134,724	197,227	+ 62,503
Cost of materials used	\$	10,641,800	16,658,320	+ 6,016,520
Gross value of products	\$	13,187,683	20,098,109	+ 6,910,426
Value added by manufacture	\$	2,411,159	3,242,562	+ 831,403

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, 1945

Table 3. - Production, by Quantity and Value.

Classes of Products	Unit of Measure	1 9 4 4		1 9 4 5	
		Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
			\$		\$
Linseed oil, raw .....	Gallon	5,763,741	4,113,138	5,906,454	4,146,850
Linseed oil, boiled .....	"	1,200,371	910,365	1,182,142	911,452
Linseed oil, special .....	"	2,815,631	2,319,032	2,940,921	2,431,512
Soybean oil .....	Pound	( 22,899,890	2,264,050	9,146,263	1,315,414
Oils, other x .....	"	(	46,439,466	5,666,573	
Linseed oilcake and oilcake meal .....	Ton	77,923	3,033,939	82,274	3,261,079
Soybean oilcake and oilcake meal .....	"	(	24,420	1,255,913	
Oilcake and oilcake meal, other x .....	"	( 10,656	391,739	22,339	800,827
Linseed or flaxseed meal	"	127	11,585	121	10,746
Soap .....	Pound	2,300,584	102,245	2,919,238	140,786
Other products .....	-	-	41,590	-	156,957
TOTAL SELLING VALUE OF PRODUCTS			\$13,187,683		\$20,098,109

x Includes - Cocoanut, peanut, rapeseed, palm kernel and sunflower.

Table 4. - Materials Used.

Principal Materials	Unit of Measure	1 9 4 4		1 9 4 5	
		Quantity	Cost Value at Mill	Quantity	Cost Value at Mill
			\$		\$
Flaxseed, Canadian .....	Bushel	4,388,657	7,766,380	4,721,476	8,141,266
Soybeans .....	Pound	/	/	63,460,800	2,268,063
Fullers' earth .....	"	411,820	16,991	207,950	6,794
Clarex earth .....	"	20,000	1,100	-	-
Sulphuric acid .....	"	301,105	6,752	322,511	6,671
Caustic soda .....	"	110,468	4,219	209,395	8,679
Potash .....	"	188,997	12,122	185,774	15,631
Driers .....	Gallon	54,296	39,293	39,858	24,935
Calite .....	Pound	/	/	118,510	4,826
Filtrol .....	"	/	/	435,229	18,030
Press cloth .....	"	60,100	75,332	65,039	83,538
Filter cloth .....	Yard	7,794	3,677	15,414	10,086
Containers, etc. ....	-	-	417,570	-	406,675
All other materials x ...	-	-	2,228,364	-	5,663,126
TOTAL COST OF MATERIALS			\$10,641,800		\$16,658,320

x Includes dried cocoanut kernels, peanuts, rapeseed, palm kernels and sunflower seeds.

/ Included under "All other materials" in 1944.

THE VEGETABLE OIL INDUSTRY IN CANADA, 1945.

Table 5. - Principal Statistics of the Industry, grouped according to the Size of Establishment.

Establishments having a production of -	Number of Establish- ments	Capital Invested	Total Number of Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
		\$		\$	\$	\$
<u>1944</u>						
Under \$5,000 .....	-	not	-	-	-	-
\$ 5,000 - \$ 25,000 .....	-	collected	-	-	-	-
\$ 25,000 - \$ 50,000 .....	-	for	-	-	-	-
\$ 50,000 - \$ 100,000 .....	-	this	-	-	-	-
\$ 100,000 - \$ 500,000 .....	3	year	67	75,532	802,167	1,043,430
\$ 500,000 - \$1,000,000 .....	3		102	171,689	1,522,813	1,982,378
\$1,000,000 and over .....	5		293	481,365	8,316,820	10,161,875
<b>TOTAL .....</b>	<b>11</b>	<b>-</b>	<b>462</b>	<b>728,586</b>	<b>10,641,800</b>	<b>13,187,683</b>
<u>1945</u>						
Under \$5,000 .....	-	not	-	-	-	-
\$ 5,000 - \$ 25,000 .....	-	collected	-	-	-	-
\$ 25,000 - \$ 50,000 .....	-	for	-	-	-	-
\$ 50,000 - \$ 100,000 .....	-	this	-	-	-	-
\$ 100,000 - \$ 500,000 .....	2 )	year				
\$ 500,000 - \$1,000,000 .....	4 )		180	304,686	2,775,816	3,634,371
\$1,000,000 and over .....	7		436	728,153	13,882,504	16,463,738
<b>TOTAL .....</b>	<b>13</b>	<b>-</b>	<b>616</b>	<b>1,032,839</b>	<b>16,658,320</b>	<b>20,098,109</b>

THE VEGETABLE OIL INDUSTRY IN CANADA, 1945

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

Months	Number of Wage-earners			
	1944		1945	
	Male	Female	Male	Female
January .....	396	5	470	12
February .....	371	4	457	10
March .....	390	4	456	11
April .....	382	5	451	12
May .....	359	5	470	11
June .....	370	10	483	11
July .....	356	11	496	11
August .....	341	9	497	10
September .....	351	9	511	10
October .....	373	9	537	10
November .....	433	9	556	9
December .....	433	9	575	9
MONTHLY AVERAGE .....	380	7	499	10

Table 7. - Number of Wage-earners in Month of Highest Employment with their Hours of Work per week and Average Weekly Earnings.

Number of Hours Worked per Week	1944		1945	
	Number of Employees		Number of Employees	
	Male	Female	Male	Female
30 hours or less .....	67	2	27	2
31 - 43 hours .....	46	1	54	2
44 hours .....	12	1	9	4
45 - 47 hours .....	15	1	46	1
48 hours .....	155	-	235	-
49 - 50 hours .....	29	-	43	-
51 - 54 hours .....	25	-	45	-
55 hours .....	13	-	12	-
56 - 64 hours .....	90	-	70	-
65 hours and over .....	30	-	35	-
AVERAGE HOURS PER WEEK .....	47.7	35.4	49.1	38.4
AVERAGE WEEKLY EARNINGS .....	\$27.88	\$18.00	\$31.28	\$18.00



THE VEGETABLE OIL INDUSTRY IN CANADA, 1945.

Table 8. -- Power Equipment

Kinds of Power	1 9 4 4		1 9 4 5	
	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	-	-	-	-
Hydraulic turbines or water wheels				
In use .....	3	150	1	150
Idle .....	-	-	2	100
Electric motors operated by purchased power				
In use .....	548	5,364	846	8,024
Idle .....	12	161	46	384
<b>TOTAL POWER</b>				
AVAILABLE FOR MANUFACTURING .....	570	5,721	902	8,704
<b>Boilers . In use .....</b>	10	892	11	1,251
Idle .....	3	230	-	-

Table 9. -- Fuel and Electricity.

Kind of Fuel Used	Unit of Measure	1 9 4 4		1 9 4 5	
		Quantity	Cost Value at Works	Quantity	Cost Value at Works
			\$		\$
<b>Bituminous Coal -</b>					
Canadian .....	Ton	2,294	16,964	4,008	33,964
Imported .....	"	3,065	26,861	4,238	38,995
Anthracite coal .....	"	-	-	-	-
Lignite coal .....	"	-	-	530	2,559
Wood .....	Cord	95	785	140	840
Gasoline .....	Gallon	9,157	2,757	10,622	3,292
Fuel oil .....	"	14,624	1,592	14,600	1,642
Gas, natural .....	M cu. ft.	4,517	383	4,419	387
Other fuel (steam, etc.)	-	-	5,384	-	5,516
<b>TOTAL COST OF FUEL .....</b>	-	-	54,726	-	87,195
<b>Cost of electricity purchased (including service charges) .....</b>	Kw. H.	9,013,969	79,998	13,539,398	110,032
<b>TOTAL COST OF FUEL AND ELECTRICITY .....</b>	-	-	134,724	-	197,227



THE VEGETABLE OIL INDUSTRY IN CANADA, 1945.

Table 10. - Imports of Products Made or Used by the Vegetable Oil Industry for the Calendar Years, 1944 and 1945

Articles by Countries	Unit of Measure	1 9 4 4		1 9 4 5	
		Quantity	Value	Quantity	Value
			\$		\$
Flaxseed or linseed oil, boiled or raw .....	Cwt.	1,334	29,489	1,769	40,281
Flaxseed .....	Bushels	276	1,538	1,446	7,798
Linseed oilcake and meal ...	Cwt.	-	-	87	259
Cottonseed oilcake and meal	Cwt.	78,302	107,608	-	-
Cottonseed and crude cottonseed oil .....	Cwt.	306,224	3,189,021	244,814	2,882,508
Soybean oilcake and meal, used in the manufacture of animal and poultry feeds or fertilizers .....	Cwt.	332,677	924,816	19,814	56,482
Rapeseed oil .....	Cwt.	8,237	99,610	6,952	104,936
Sunflower Seed oil .....	Cwt.	188,090	1,810,289	160,500	1,484,913
Palm oil .....	Cwt.	171,095	728,955	296,426	1,263,147
Peanut oil .....	Cwt.	758	13,805	162	2,958
Soybean oil, for manu- facturing purposes .....	Cwt.	3,089	41,376	595	7,890
Soy Beans .....	Pounds	16,805,913	664,466	78,685,000	3,316,259

Table 11. - Exports of Products Made or Used by the Vegetable Oil Industry for the Calendar Years 1944 and 1945.

Articles by Countries	Unit of Measure	1 9 4 4		1 9 4 5	
		Quantity	Value	Quantity	Value
			\$		\$
Flaxseed or linseed oil ....	Gallons	2,915,895	2,769,687	2,143,220	2,762,403
Flaxseed for sowing .....	Bushels	48,016	225,346	48,570	203,307
Flaxseed, n.o.p. ....	Bushels	6,405,379	20,384,316	1,133,498	3,565,600
Oilcake and oilcake meal ...	Cwt.	275	715	23,073	55,494

THE VEGETABLE OIL INDUSTRY IN CANADA, 1945.

Firms engaged in the Vegetable Oil Industry in Canada, 1945.

QUEBEC

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

ONTARIO

The Canada Linseed Oil Mills, Limited,	40 Wabash Avenue, Toronto
W. R. Carpenter (Canada) Limited,	Victoria Ave., Hamilton
The Dominion Linseed Oil Company Limited,	Baden
Toronto Elevators, Limited	
(Expeller Mill Division)	Queen's Quay, Toronto
Victory Mills Limited,	285 Fleet St. E., Toronto

MANITOBA

The Dominion Linseed Oil Company Limited,	830 Archibald Street, St. Boniface
The Sherwin-Williams Company of Canada, Ltd.,	110 Sutherland Street, Winnipeg

SASKATCHEWAN

Prairie Vegetable Oils, Limited,	423 Selwyn St. E., Moose Jaw
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ALBERTA

The Alberta Linseed Oil Company Limited,	Medicine Hat
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BRITISH COLUMBIA

W. R. Carpenter (Canada) Limited,	Foot Dunlevy Ave., Vancouver
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