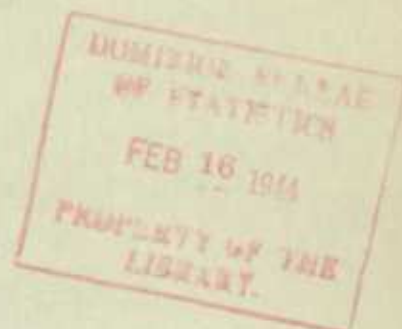


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Minister of Trade and Commerce.

CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
GENERAL MANUFACTURES BRANCH



REPORT
ON THE
VEGETABLE OIL INDUSTRY
IN
CANADA
1941



OTTAWA
1942

Price 15 cents

THE NATIONAL ARCHIVES OF CANADA
1000

DEPARTMENT OF THE ARMY

GENERAL INVESTIGATION

REPORT

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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

GENERAL MANUFACTURES BRANCH

OTTAWA - CANADA

Dominion Statistician:	S. A. Cudmore, M.A. (Oxon.), F.S.S., F.R.S.C.
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THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

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 and coconut. This industry was formerly known as "The Linseed and Soybean Oil Industry". The change in name which now embraces producers of all vegetable oils, was necessitated by the inclusion in 1941 of a mill processing crude coconut oil.

In 1941 there were ten plants in operation, located by provinces as follows: Quebec 4, Ontario 2, Manitoba 2, Alberta 1, and British Columbia 1. These plants reported a capital investment in fixed and current assets of \$3,454,898 and furnished employment to 313 persons who were paid \$412,125 in salaries and wages. They spent \$6,180,424 for materials and produced goods with a selling value at the factory of \$8,120,189.

Linseed oil is the principal item of production, the output in 1941 amounting to 6,587,379 gallons valued at \$4,525,686. This is followed by oilcake meal with an output of 52,089 tons and value of \$1,708,840. Detailed statistics of production are given in Table 3.

Compared with the previous year, there was an increase of \$2,392,695 in the gross value of production and \$1,572,379 in the cost of materials used. Employment increased by 55, with an increase of \$90,464 in salaries and wages paid. The volume of production in 1941 was considerably higher than in the previous year. Compared with 1940 there was an increase of 966,133 gallons in the output of linseed oil with an increase of \$471,102 in the selling value. Linseed oilcake meal increased by 5,926 tons and the selling value by \$218,366. The output of soybean products which amounted to \$33,222 in 1940 decreased to \$56,105 in 1941.

Flaxseed comprises the most important material used by this industry and accounted for over 68 per cent of the total value of materials used. Of the 2,388,480 bushels of flaxseed used, 2,756,572 bushels were of domestic origin. The consumption of domestic flaxseed was over 95 per cent of the total in 1941 as compared with only 57 per cent in 1940 and 47 per cent in 1939.

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

THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

Table 1. - Principal Statistics, 1925 - 1941.

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Products
	No.	\$	No.	\$	\$	\$
1925 ...	8	2,490,462	213	280,846	4,876,835	6,005,969
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	3,099,316	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

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.

Table 2. - Principal Statistics Compared.

Items	1940	1941	Increase + Decrease -
Establishments reporting.....No.	9	10	+ 1
Capital invested.....\$	3,318,040	3,454,898	+ 136,858
Employees on salaries -			
MaleNo.	43	48	+ 5
FemaleNo.	9	15	+ 6
Total salaries\$	127,953	129,013	+ 1,060
Employees on wages -			
MaleNo.	206	250	+ 44
FemaleNo.	-	-	-
Total wages.....\$	193,708	283,112	+ 89,404
Power equipment -			
UnitsNo.	227	298	+ 71
Horse power capacityH.P.	2,427	3,467	+ 1,040
Cost of fuel and electricity...\$	72,124	101,031	+ 28,907
Cost of materials used.....\$	4,608,045	6,180,424	+ 1,572,379
Gross value of products.....\$	5,727,494	8,120,189	+ 2,392,695
Value added by manufacture\$	1,047,325	1,838,734	+ 791,409

THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

Table 3. - Production, by Quantity and Value.

Classes of Products	Unit of Measure	1940		1941	
		Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
			\$		\$
Linseed oil, raw	Gallon	3,368,017	2,346,155	3,545,437	2,312,509
Linseed oil, boiled.....	"	885,857	670,280	973,454	653,227
Linseed oil, special	"	1,367,572	1,038,149	2,068,438	1,559,950
Linseed oilcake	Ton	910	30,494	2	95
Linseed oilcake meal	"	46,163	1,490,474	52,089	1,708,840
Linseed meal	"	180	17,773	183	15,517
Soybean products *.....	Pound	2,257,100	83,222	766,000	56,105
Soap.....	"	1,106,946	50,947	1,438,458	58,468
All other products	-	-	-	-	1,755,478
TOTAL VALUE OF PRODUCTS		-	5,727,494	-	8,120,189

* Includes soybean oil, soybean meal and soybean flour.

Table 4. - Materials Used.

Principal Materials	Unit of Measure	1940		1941	
		Quantity	Cost Value at Mill	Quantity	Cost Value at Mill
			\$		\$
Flaxseed, Canadian	Bushel	1,513,978	2,512,424	2,756,572	4,020,580
Flaxseed, imported	"	1,121,814	1,820,616	131,308	214,605
Fullers' earth	Pound	216,254	7,731	273,290	10,604
Sulphuric acid	"	70,037	1,570	144,044	3,230
Caustic soda	"	55,097	2,023	124,174	4,888
Potash	"	105,560	5,579	170,832	10,251
Driers	Gallon	36,847	19,224	52,364	23,305
Press and filter cloth ..	-	-	36,767	-	50,162
Containers, etc.	-	-	150,633	-	258,818
All other materials	-	-	51,472	-	1,583,481
TOTAL COST OF MATERIALS		-	4,608,045	-	6,180,424

THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

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>1940</u>						
Under \$5,000	-	-	-	-	-	-
\$5,000 - \$25,000	-	-	-	-	-	-
\$25,000 - \$50,000	1	{	{	{	{	{
\$50,000 - \$100,000	-	{	{	{	{	{
\$100,000 - \$500,000	5	{	{	{	{	{
\$500,000 - \$1,000,000	1	{	{	{	{	{
\$1,000,000 and over	2	{	{	{	{	{
TOTAL	9	3,318,040	258	321,331	4,603,045	5,727,494
<u>1941</u>						
Under \$5,000	-	-	-	-	-	-
\$5,000 - \$25,000	-	-	-	-	-	-
\$25,000 - \$50,000	-	-	-	-	-	-
\$50,000 - \$100,000	1	{	{	{	{	{
\$100,000 - \$500,000	4	{	{	{	{	{
\$500,000 - \$1,000,000	2	{	{	{	{	{
\$1,000,000 and over	3	{	{	{	{	{
TOTAL	10	3,454,393	313	412,125	6,130,424	3,120,189

THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

Table 6. - Capital Investment.

Items of Capital	1940	1941
Fixed Capital -	\$	\$
Present value of land, buildings, etc.	1,468,272	1,788,573
Working Capital -		
Inventory value of materials and supplies on hand, stocks in process, etc.	1,444,592	570,811
Inventory value of finished products on hand.		457,779
Operating capital (cash, bills receivable, etc.)	405,176	637,735
TOTAL CAPITAL INVESTED	3,318,040	3,454,898

Table 7. - Employment of Wage-earners, by Months

Months	Number of Wage-earners				Months	Number of Wage-earners			
	1940		1941			1940		1941	
	Male	Female	Male	Female		Male	Female	Male	Female
January	184	-	254	-	July	214	-	244	-
February ...	191	-	256	-	August ...	193	-	245	-
March	199	-	253	-	September.	211	-	261	-
April	218	-	240	-	October ..	218	-	253	-
May	204	-	234	-	November..	217	-	260	-
June	204	-	227	-	December..	217	-	258	-
MONTHLY AVERAGE						206	-	250	-

Table 8. - 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	Number of Employees		Number of Hours Worked per Week	Number of Employees	
	1940	1941		1940	1941
	Male	Male		Male	Male
30 hours or less	7	16	51 - 54 hours ...	13	9
31 - 43 hours...	4	12	55 hours	2	2
44 hours	5	6	56 - 64 hours....	48	76
45 - 47 hours ..	5	1	65 hours and over	7	3
48 hours	127	156	Average hours per week	50.5	49.8
49 - 50 hours ..	14	5	Average weekly earnings	\$20.79	\$24.95

THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

Table 9. - Power Equipment

Kinds of Power	1940		1941	
	Number of Units	Horse-power according to manufacturers' rating	Number of Units	Horse-power according to manufacturers' rating
Steam engines and turbines.....	Units	46	7	46
Hydraulic turbines or water wheels.				
In use	-	-	3	150
Idle	3	150	-	-
Electric motors operated by				
purchased power -				
In use	217	2,231	287	3,231
Idle	-	-	1	40
TOTAL POWER AVAILABLE FOR MANUFACTURING.....	227	2,427	298	3,467
BoilersIn use	8	640	9	757
Idle	1	100	1	100

Table 10. - Fuel and Electricity.

Kind of Fuel Used	Unit of Measure	1940		1941	
		Quantity	Cost Value at Works	Quantity	Cost Value at Works
Bituminous Coal -			\$		\$
Canadian	Ton	1,087	3,745	2,118	14,824
Imported	"	1,304	10,336	1,706	13,577
Anthracite coal	"	6	92	22	133
Lignite coal	"	-	-	250	1,785
Wood	Cord	12	70	73	321
Fuel oil	Gallon	2,500	262	7,100	705
Gas, natural	M cu.ft.	3,936	357	4,674	407
Other fuel (steam, etc.)	-	-	4,236	-	4,717
TOTAL COST OF FUEL ...	-	-	22,098	-	36,519
Cost of electricity purchased (including service charges)	Kw. H.	4,086,028	50,026	5,330,823	64,512
TOTAL COST OF FUEL AND ELECTRICITY	-	-	72,124	-	101,031

THE VEGETABLE OIL INDUSTRY IN CANADA, 1941.

List of Firms in the Vegetable Oil Industry in Canada, 1941.

QUEBEC

The Canada Linseed Oil Mills Limited,	2210 Notre Dame St. E., Montreal
Continental Soya Company Limited,	91 St. Patrick St., Lachine
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
Dominion Linseed Oil Company Limited,	Baden

MANITOBA

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

ALBERTA

The Alberta Linseed Oil Company Limited	Medicine Hat
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BRITISH COLUMBIA

W. R. Carpenter (Canada) Ltd.,	Ft. Dunlevy Ave., Vancouver
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