Published by Authority of the Hon. James A. MacKINNON, M.P.,
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

1943

OTTAWA
1944

Price 15 cents

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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

GENERAL MANUFACTURES BRANCH

OTTAWA - CANADA

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THE VEGETABLE OIL INDUSTRY IN CANADA, 1943

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 cocoanut. 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 cocoanut oil.

In 1943 there were 11 plants in operation, located by provinces as follows: Quebec 4, Ontario 3, Manitoba 2, Alberta 1, and British Columbia 1. These plants reported a capital investment in fixed and current assets of $4,249,673 and furnished employment to 393 persons who were paid $592,673 in salaries and wages. They spent $7,609,395 for materials and produced goods with a selling value at the factory of $9,488,623.

Linseed oil is the principal item of production, the output in 1943 amounting to 7,820,721 gallons valued at $5,846,133. This is followed by oilcake meal with an output of 65,886 tons and value of $2,618,383. Detailed statistics of production are given in Table 3.

Compared with the previous year, there was an increase of only $7,173 in the gross value of production and a decrease of $14,899 in the cost of materials used. Employment increased by 42, with an increase of $134,453 in salaries and wages paid. The volume of production in 1943 was considerably higher than in the previous year. Compared with 1942 there was an increase of 430,481 gallons in the output of linseed oil with an increase of $593,528 in the selling value. Linseed oilcake meal increased by 6,448 tons and the selling value by $278,834.

Flaxseed comprises the most important material used by this industry and accounted for about 84 per cent of the total value of materials used. Before the war this industry used large quantities of imported flaxseed. Of the total flaxseed used in 1939 53 per cent was imported. However, in 1942 and 1943 all of the flaxseed used was of domestic origin.

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

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Table 1. - Principal Statistics, 1925 - 1943.

Year	Establishments	Capital Invested	Employees	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	3,099,816	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

Table 2. - Principal Statistics Compared.

Items		1942	1943	Increase + Decrease -
Establishments reporting	No.	10	11	+ 1
Capital Invested	$	3,567,297	4,249,673	+ 682,376
Employees on salaries -				
Male	No.	49	47	- 2
Female	No.	26	30	+ 4
Total salaries	$	137,858	154,992	+ 17,134
Employees on wages -				
Male	No.	272	311	+ 39
Female	No.	4	5	+ 1
Total wages	$	320,362	437,681	+ 117,319
Power equipment -				
Units	No.	358	459	+ 101
Horse Power capacity	H.P.	3,431	4,592	+ 1,161
Cost of fuel and electricity	$	108,652	114,341	+ 5,689
Cost of materials used	$	7,624,294	7,609,395	- 14,899
Gross value of products	$	9,481,450	9,488,623	+ 7,173
Value added by manufacture	$	1,748,504	1,764,887	+ 16,383

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.

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Table 3. - Production, by Quantity and Value.

Classes of Products	Unit of Measure	1942 Quantity	1942 Selling Value at Mill	1943 Quantity	1943 Selling Value at Mill
			$		$
Linseed oil, raw	Gallon	3,773,683	2,537,581	4,159,890	2,958,788
Linseed oil, boiled	"	983,371	705,017	988,756	744,375
Linseed oil, special	"	2,633,206	2,010,007	2,672,075	2,142,970
Linseed oilcake	Ton	1	58	-	-
Linseed oilcake meal	"	59,438	2,339,549	65,886	2,618,383
Linseed meal	"	111	9,912	44	3,843
Soap	Pound	1,789,445	80,040	1,711,546	74,280
Soybean products	"	x	x	x	x
All other products +	-	-	1,799,286	-	945,984
TOTAL VALUE OF PRODUCTS			9,481,450		9,488,623

x Included with "all other products, as only 1 firm reporting.
+ Includes "cocoanut oil" and "cocoanut oilcake meal."

Table 4. - Materials Used.

Principal Materials	Unit of Measure	1942 Quantity	1942 Cost Value at Mill	1943 Quantity	1943 Cost Value at Mill
			$		$
Flaxseed, Canadian	Bushel	3,388,195	5,626,143	3,559,375	6,378,616
Flaxseed, imported	"	-	-	-	-
Fullers' earth	Pound	339,335	15,497	320,250	12,466
Clarex earth	"	97,785	4,657	164,130	7,836
Sulphuric acid	"	223,003	4,761	236,190	5,636
Caustic soda	"	142,206	5,531	155,397	5,391
Potash	"	267,940	18,646	170,497	12,897
Driers	Gallon	45,919	31,974	22,323	20,812
Press cloth	Pound	56,079	73,544	70,331	92,411
Filter cloth	Yard	14,039	6,317	13,975	6,622
Containers, etc.	-	-	320,283	-	354,140
All other materials x	-	-	1,516,941	-	712,568
TOTAL COST OF MATERIALS			7,624,294		7,609,395

x Includes "dried cocoanut kernels."

THE VEGETABLE OIL INDUSTRY IN CANADA, 1943.

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

Establishments having a production of -	Number of Establishments	Capital Invested	Total Number of Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
		$		$	$	$
1942						
Under $5,000	-	-	-	-	-	-
$5,000 - $25,000	-	-	-	-	-	-
$25,000 - $50,000	-	-	-	-	-	-
$50,000 - $100,000	1	(668,727	64	85,742	863,108	1,139,344
$100,000 - $500,000	3	(				
$500,000 - $1,000,000	2	(2,898,570	287	372,478	6,761,186	8,342,106
$1,000,000 - and over	4	(				
TOTAL	10	3,567,297	351	458,220	7,624,294	9,481,450
1943						
Under $5,000	-	-	-	-	-	-
$5,000 - $25,000	-	-	-	-	-	-
$25,000 - $50,000	-	-	-	-	-	-
$50,000 - $100,000	-	-	-	-	-	-
$100,000 - $500,000	5	1,448,593	101	136,671	1,351,891	1,737,028
$500,000 - $1,000,000	3	1,055,890	88	164,150	1,942,556	2,452,042
$1,000,000 and over	3	1,745,190	204	291,852	4,314,948	5,299,553
TOTAL	11	4,249,673	393	592,673	7,609,395	9,488,623

THE VEGETABLE OIL INDUSTRY IN CANADA, 1943.

Table 6. - Capital Investment.

Items of Capital	1942	1943
	$	$
Fixed Capital -		
Present value of land, buildings, etc.	1,853,117	2,201,231
Working Capital -		
Inventory value of materials and supplies on hand, stocks in process, etc.	618,972	889,837
Inventory value of finished products on hand .	345,226	587,388
Operating capital (cash, bills receivable, etc.)	744,982	571,217
TOTAL CAPITAL INVESTED	3,567,297	4,249,673

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

Months	Number of Wage-earners				Months	Number of Wage-earners			
	1942		1943			1942		1943	
	Male	Female	Male	Female		Male	Female	Male	Female
January ...	265	2	334	4	July	262	4	285	5
February ..	276	2	322	4	August ..	267	4	305	10
March	281	2	305	4	September	261	5	314	10
April	277	2	286	4	October .	266	5	322	5
May	270	2	279	4	November.	272	5	358	5
June	263	2	275	4	December.	272	5	347	5
			MONTHLY AVERAGE			272	4	311	5

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	1942 Number of Employees		1943 Number of Employees	
	Male	Female	Male	Female
30 hours or less	9	1	26	3
31 - 43 hours	26	1	26	1
44 hours	1	1	8	1
45 - 47 hours	8	1	19	-
48 hours	130	-	103	-
49 - 50 hours	33	-	22	-
51 - 54 hours	15	-	41	-
55 hours	3	-	4	-
56 - 64 hours	71	-	77	-
65 hours and over	16	-	41	-
AVERAGE HOURS PER WEEK	50.7	38.0	51.0	31.2
AVERAGE WEEKLY EARNINGS	$26.39	$17.25	$29.46	$15.00

Table 9. - Power Equipment

Kinds of Power	1942 Number of Units	1942 Horse-power according to manufacturers' rating	1943 Number of Units	1943 Horse-power according to manufacturers' rating
Steam engines and turbines - In use	7	46	7	46
Gasoline, gas and oil engines - Idle	-	-	1	40
Hydraulic turbines or water wheels				
In use	3	150	2	100
Idle	-	-	-	-
Electric motors operated by purchased power -				
In use	348	3,235	438	4,299
Idle	-	-	11	107
TOTAL POWER AVAILABLE FOR MANUFACTURING	358	3,431	459	4,592
Boilers In use	8	727	10	867
Idle	2	155	3	155

Table 10. - Fuel and Electricity.

Kind of Fuel Used	Unit of Measure	1942 Quantity	1942 Cost Value at Works	1943 Quantity	1943 Cost Value at Works
			$		$
Bituminous Coal -					
Canadian	Ton	1,904	15,142	1,200	9,618
Imported	"	2,176	18,057	2,729	23,945
Anthracite coal	"	20	165	-	-
Lignite coal	"	280	1,137	410	2,440
Wood	Cord	142	1,032	207	1,692
Fuel oil	Gallon	17,000	1,795	11,390	1,242
Gas, natural	M cu. ft.	4,473	418	1,916	464
Other fuel (steam, etc.)	-	-	6,474	-	5,205
TOTAL COST OF FUEL	-	-	44,220	-	44,606
Cost of electricity purchased (including service charges)	Kw. H.	6,560,305	64,432	6,161,400	69,735
TOTAL COST OF FUEL AND ELECTRICITY	-	-	108,652	-	114,341

THE VEGETABLE OIL INDUSTRY IN CANADA, 1943.

List of Firms in the Vegetable Oil Industry in Canada, 1943.

QUEBEC

The Canada Linseed Oil Mills Limited,	2210 Notre Dame St. E., Montreal
The Dominion Linseed Oil Company Limited,	837 Mill St., Montreal.
General Soya Products Company Ltd.,	91 St. Patrick St., Lachine.
The Sherwin-Williams Company of Canada, Ltd.,	2875 Centre St., Montreal.

ONTARIO

The Canada Linseed Oil Mills, Limited,	40 Wabash Avenue, Toronto
The Dominion Linseed Oil Company Limited,	Baden
W.R. Carpenter (Canada) Ltd.,	Victoria Ave., Hamilton.

MANITOBA

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

ALBERTA

The Alberta Linseed Oil Company Limited	Medicine Hat.

BRITISH COLUMBIA

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

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