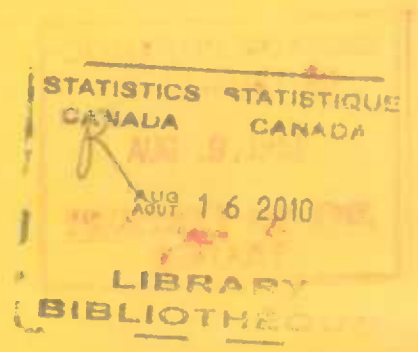


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GOVERNMENT OF CANADA

THE FLOUR AND FEED MILLING
INDUSTRIES, 1949



THE FLOUR AND FEED MILLING INDUSTRIES
1949

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NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Manufactures
- XIII Transportation Equipment
- XIV Non-ferrous Metals Manufactures
- XV Electrical Apparatus
- XVI Non-metallic Mineral Products
- XVII Coke and Gas—Petroleum Refining
- XVIII Chemicals and Allied Products

The present report belongs in Group III. 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
- B The Slaughtering and Meat Packing, and Sausage and Sausage Casings Industries
- C The Dairy Factory Industry
- D The Fish Processing Industry
- E The Fruit and Vegetable Preparations Industry
- F The Flour and Feed Milling Industry
- G The Breakfast Foods Industry
- H The Prepared Stock and Poultry Feeds Industry
- I The Biscuit Industry
- J The Bread and Other Bakery Products Industry
- K The Aerated Waters Industry
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- M The Brewing Industry
- N The Wine Industry
- O The Confectionery, Cocoa, Chocolate and Chewing Gum Industries
- P The Sugar Refining Industry
- Q The Malt and Malt Products Industry
- R The Macaroni and Kindred Products Industry
- S The Miscellaneous Foods Industry
- T The Canned Foods Summary

THE FLOUR AND FEED MILLING INDUSTRIES

1949

To permit a closer analysis of the flour and feed milling industries, this report is divided into three sections. Section 1 comprises a general summary of the industry as a whole. Section 2 deals with the

mills whose principal output is flour and other edible cereal products, whilst Section 3 is devoted to the mills whose operations are mostly confined to the production of chopped grain and other feeds.

SECTION 1. - GENERAL SUMMARY

A review of the flour and feed milling industries during 1949 reveals a decrease of 77 of the number of mills reporting, and decreases in all of the other items comprising the principal statistics. These are shown in Table 1 for the Dominion for the years 1937 to 1947 and by Provinces for the years 1948 and 1949.

the number of barrels exported having declined by 2,680,042 from the 12,378,066 barrels exported in 1948. The output of bran, shorts and middlings also decreased by 138,516 tons, oatmeal and rolled oats by 15,753 tons, chopped grain feed by 62,262 tons and prepared stock and poultry feed by 121,363 tons.

The output of the flour and feed milling industry in 1949 shows a decrease in the principal items of production. The output of flour amounted to 20,302,173 barrels, a decrease of 2,806,001 barrels or 12.1 per cent as compared with the previous year. The decline in production was due to a lowered export demand,

The physical volume of production for the industry as a whole declined by 10.8 per cent in 1949. The decrease in the gross value of production amounting to \$17,005,717 or 5.5 per cent indicates increases in the selling values of the products made, as the following table shows:

Product	Selling Value at Mill	
	1948	1949
	\$	\$
Wheat flour, all grades..... barrel	8.17	9.29
Oatmeal and rolled oats..... ton	109.92	119.27
Bran, shorts and middlings..... "	48.85	51.70
Feed, chopped..... "	55.80	56.59
Stock and poultry feeds..... "	67.68	69.89

This industry, which has existed to meet the domestic needs for more than 300 years, is one of the Dominion's oldest manufactures, but it is only within recent times that its progress has become spectacular. The 133 flour mills, many of them of the most modern type and highest efficiency, have a capacity far in excess of Canada's demands. The war of 1914-1918 and the demand it created gave a great impetus to this trade.

During 1928 productive capacity reached about 121,000 barrels per day. During the depression the industry had been adversely affected by the difficulties which beset the Canadian grain trade and the great decline in the prices of grains. Exports of wheat flour declined from 10,737,266 barrels in 1928 to 3,911,886 barrels in 1938, but in spite of this decrease, Canada continued to be one of the leading exporters of wheat flour. A further impetus was given the industry as a direct result of the large import requirements of Great Britain and other allied countries during the last war. Exports of wheat flour to all countries which averaged about 14,000,000 barrels during the war years decreased to 12,378,066 barrels in 1948, and to 9,698,024 barrels in 1949. The great demand of Canadian flour in foreign markets during the war years was a great boon to Canadian agriculture, in as much as it enabled flour mills to make available large quantities of mill feeds which otherwise would not have been produced. Farmers were thus enabled to obtain sufficient feeds needed by them in order to fulfill the large commitments made for export shipments of cheese and bacon.

Production. The total value of all products of the two industries in 1949 amounted to \$293,762,983 of which wheat flour was accountable for \$188,615,480. Next in order of importance was chopped grain feed with a total of \$51,305,110 followed by shorts and middlings to the extent of \$21,094,239 bran takes fourth place with \$14,455,574 whilst rolled oats occupies fifth position with a valuation of \$6,285,341. The output of wheat flour of all grades in 1949 totalled 20,302,173 barrels valued at \$9.29 per barrel. This represents a decrease of 2,806,001 in the number of barrels produced and an increase of \$1.12 in the selling price per barrel as compares with 1948.

Employees, Salaries and Wages. The administrative and clerical work in connection with the two industries required the services of 1,582 male and 471 female employees whose total salaries amounted to \$4,558,712. The number of wage-earners employed was 4,359 male and 170 female which necessitated a payroll amounting to \$9,345,335.

Cost of Materials. The total cost of all materials in both industries, including containers, amounted to \$258,607,308. Wheat of all types was by far the largest contributor to this sum with \$188,671,693. Mixed grain for chopping takes second place with \$27,533,607. The next largest item of expense was that of containers and container materials which accounted for \$15,208,224, whilst oats occupies fourth position with a total cost of \$14,406,187.

TABLE 1. Principal Statistics for the Years, 1937 to 1949

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1937.....	1,086	56,280,032	5,803	5,877,756	111,558,331	133,634,179
1938.....	1,080	50,111,006	5,778	6,163,351	99,418,794	122,598,168
1939.....	1,050	47,926,318	5,898	6,515,496	75,435,165	101,776,429
1940.....	1,027	52,170,492	6,215	7,101,367	96,294,284	122,494,759
1941.....	1,129	59,941,631	6,528	7,898,329	115,939,001	144,171,637
1942.....	1,171	62,586,759	6,720	8,776,553	126,374,719	159,463,671
1943.....	1,131	70,869,815	7,163	10,015,738	169,488,522	201,127,291
1944.....	1,087	—	7,289	10,511,975	187,116,957	215,790,282
1945.....	1,023	—	7,512	11,322,915	192,270,945	224,269,380
1946.....	974	—	8,036	12,898,160	224,233,698	260,659,451
1947.....	961	—	8,285	14,832,059	280,674,476	324,152,457
1948						
Canada.....	924	—	7,124	14,055,651	269,249,436	310,768,700
Prince Edward Island.....	7	—	12	9,735	218,375	252,109
Nova Scotia.....	4	—	6	4,911	112,761	136,437
New Brunswick.....	14	—	25	23,997	373,101	432,992
Quebec.....	154	—	1,010	2,181,371	27,520,753	30,969,156
Ontario.....	610	—	3,736	7,049,752	150,725,453	172,124,777
Manitoba.....	36	—	649	1,173,173	23,835,202	27,493,772
Saskatchewan.....	32	—	728	1,607,671	33,713,978	40,318,213
Alberta.....	62	—	918	1,918,560	31,912,783	38,017,776
British Columbia.....	5	—	40	86,481	837,030	1,023,468
1949						
Canada.....	847	—	6,582	13,904,047	258,607,308	293,762,983
Prince Edward Island.....	7	—	10	7,766	187,838	214,389
Nova Scotia.....	4	—	6	6,148	114,395	137,444
New Brunswick.....	12	—	24	24,888	349,072	400,363
Quebec.....	139	—	902	2,029,618	28,223,805	31,162,695
Ontario.....	573	—	3,454	7,106,880	143,065,310	160,435,015
Manitoba.....	27	—	625	1,195,805	21,015,189	22,760,907
Saskatchewan.....	25	—	687	1,655,479	33,734,285	40,548,288
Alberta.....	55	—	828	1,773,273	29,609,789	34,690,684
British Columbia.....	5	—	46	104,190	2,307,625	3,413,198
1949						
Canada.....	847	—	6,582	13,904,047	258,607,308	293,762,983
Flour mills.....	133	—	5,033	11,965,400	215,404,869	245,274,202
Feed and chopping mills.....	714	—	1,549	1,938,647	43,202,439	48,488,781

TABLE 2. Quantity and Value of Principal Mill Products in Canada, 1943 to 1949

Products	Quantity	Selling Value at Mill	Average Value	
		\$	\$	
1943				
Wheat flour, all grades	barrel	23,986,769	112,345,014	4.68
Oatmeal and rolled oats	ton	54,036	3,915,121	72.45
Bran, shorts and middlings	"	813,051	20,194,730	24.84
Feed, chopped	"	1,397,244	47,251,873	33.82
1944				
Wheat flour, all grades	barrel	24,470,610	132,607,418	5.42
Oatmeal and rolled oats	ton	78,959	6,115,850	77.46
Bran, shorts and middlings	"	807,375	20,382,601	25.25
Feed, chopped	"	1,234,954	44,607,961	36.12
1945				
Wheat flour, all grades	barrel	25,117,259	139,810,537	5.57
Oatmeal and rolled oats	ton	100,262	8,732,229	87.09
Bran, shorts and middlings	"	843,122	21,811,223	25.87
Feed, chopped	"	1,174,141	42,744,984	36.41
1946				
Wheat flour, all grades	barrel	27,151,932	164,263,815	6.05
Oatmeal and rolled oats	ton	128,884	11,247,910	87.27
Bran, shorts and middlings	"	956,250	23,512,761	24.59
Feed, chopped	"	1,229,824	47,389,233	38.53
1947				
Wheat flour, all grades	barrel	28,619,063	211,155,576	7.38
Oatmeal and rolled oats	ton	96,018	11,170,478	116.34
Bran, shorts and middlings	"	970,794	26,985,347	27.80
Feed, chopped	"	1,188,801	57,890,352	48.70
1948				
Wheat flour, all grades	barrel	23,108,174	188,908,305	8.17
Oatmeal and rolled oats	ton	72,219	7,938,486	109.92
Bran, shorts and middlings	"	826,095	40,361,614	48.85
Feed, chopped	"	968,789	54,065,357	55.80
1949				
Wheat flour, all grades	barrel	20,302,173	188,615,480	9.29
Oatmeal and rolled oats	ton	56,466	6,734,870	119.27
Bran, shorts and middlings	"	687,579	35,549,813	51.70
Feed, chopped	"	906,527	51,305,110	56.59

TABLE 3. Production in All Mills, by Classes, 1949

		Canada	
		Quantity	Selling Value at Mill
			\$
Wheat flour:			
Spring No. 1 or top Patent including semolina.....	BB1	4,231,287	41,410,508
Spring No. 2 Patent.....	"	4,272,251	38,382,855
Spring No. 3 Patent (Strong Bakers or Export Patent).....	"	8,941,714	83,547,472
Ontario Winter Wheat flour.....	"	1,246,460	11,595,934
Durum Semolina and flour.....	"	249,924	2,369,389
Lower grades of flour.....	"	565,018	4,404,449
All other.....	"	561,447	4,824,232
Flour and meal, other:			
Whole wheat and Graham flour.....	lb.	45,878,112	2,080,641
Prepared or self raising flour.....	"	4,567,188	548,030
Barley flour.....	"	62,132	3,328
Barley meal.....	"	4,778,636	125,241
Rye flour.....	"	4,014,480	156,628
Rye meal.....	"	1,062,535	36,761
Corn flour.....	"	3,705,692	177,805
Corn meal.....	"	8,590,664	445,196
Buckwheat flour.....	"	1,142,432	89,771
Pea meal.....	"	44,882	280,073
Breakfast foods:			
Prepared breakfast foods.....	lb.	—	—
Oatmeal.....	ton	4,002	449,529
Rolled oats.....	"	52,464	6,285,341
Rolled or flaked wheat.....	lb.	901,920	43,469
Unprepared breakfast food.....	"	12,339,500	934,932
Other products:			
Barley, pot and pearl.....	lb.	4,239,496	229,445
Corn, cracked.....	"	229,200	7,040
Peas, split.....	"	3,662,108	319,472
Stock and poultry feeds.....	ton	63,693	4,451,300
Shorts and middlings.....	"	401,323	21,094,239
Bran.....	"	286,256	14,455,574
* Chopped grain feed.....	"	906,527	51,305,110
Alfalfa meal.....	"	2,408	63,096
Offal, not otherwise specified.....	"	82,766	2,904,623
All other products.....	—	—	741,500
Total Value of Production in All Mills.....		—	293,762,983

TABLE 4. Materials Used in All Mills, 1948 and 1949

		Canada	
		Quantity	Cost Value at Mill
			\$
1948			
Wheat.....	bushel	107,797,602	189,490,770
Oats.....	"	21,551,752	18,152,185
Barley.....	"	10,382,144	11,816,377
Rye.....	"	95,703	154,219
Corn.....	"	708,033	1,469,794
Buckwheat.....	"	131,388	168,536
Peas.....	"	90,770	285,190
Mixed grains for chopping.....	"	26,073,065	27,002,433
Other grains.....	"	279,339	340,222
Alfalfa.....	ton	3,721	96,292
Cost of containers purchased.....	-	-	16,131,488
Cost of materials used in making containers.....	-	-	90,213
All other materials.....	-	-	4,051,717
Total Cost of Materials Used.....	-	-	269,249,436
1949			
Wheat.....	bushel	92,196,750	188,671,693
Oats.....	"	17,550,206	14,406,187
Barley.....	"	6,711,181	8,047,861
Rye.....	"	147,440	210,674
Corn.....	"	1,032,231	1,725,411
Buckwheat.....	"	125,070	156,205
Peas.....	"	74,648	276,652
Mixed grains for chopping.....	"	26,018,822	27,533,607
Other grains.....	"	128,134	151,270
Alfalfa.....	ton	2,514	57,691
Cost of containers purchased.....	-	-	15,202,901
Cost of materials used in making containers.....	-	-	5,323
All other materials.....	-	-	2,161,833
Total Cost of Materials Used.....	-	-	258,607,308

TABLE 5. Imports, Milled Products and Grains by Quantity and Value, 1948 and 1949

Articles Imported		1948		1949	
		Quantity	Value	Quantity	Value
			\$		\$
Milled Products:					
Wheat flour.....	barrel	12,042	169,510	750	8,371
Buckwheat meal and flour.....	cwt.	-	-	-	-
Cornmeal.....	barrel	4,700	53,925	4,157	34,389
Malt flour.....	pound	249,640	19,662	232,800	18,265
Rye flour.....	barrel	9,661	123,235	102	834
Oatmeal and rolled oats.....	pound	2,592	684	40,485	8,227
Barley, pot and pearl.....	"	-	-	3,038	331
Hominy, cracked, ground, etc.....	cwt.	67,296	375,544	72,801	283,235
Rice, bran, meal and flour.....	pound	49,980	8,086	73,407	11,200
Sago and tapioca flour.....	"	103,017	10,410	223,888	19,371
Bran and mill feed.....	cwt.	148,357	394,530	161,580	439,814
Cereal food in packages.....	pound	6,169	2,300	683,690	119,781
Cereal foods, n.o.p.....	-	-	39,255	-	165,066
Senolina.....	barrel	-	-	-	-
Total Value of Imports of Milled Products.....	-	-	1,197,141	-	1,108,884

28079 tons

TABLE 5. Imports, Milled Products and Grains by Quantity and Value, 1948 and 1949 - Concluded

Articles Imported	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
Grains:				
Wheat..... bushel	958,006	2,815,142	7,207	18,898
Oats..... "	7,166	10,853	309,000	236,935
Barley, buckwheat and rye..... "	794	2,597	85,802	97,435
Corn for all purposes..... "	8,213,948	15,834,003	8,436,319	12,282,307
Beans, soya..... pound	86,717,865	4,937,216	128,533,344	5,463,983
Total Value of Grains Imported.....	-	23,599,811	-	18,099,558

TABLE 6. Exports of Milled Products and Grains by Quantity and Value, 1948 and 1949

Articles Exported	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
Milled Products:				
Rye flour..... barrel	55	957	-	-
Wheat flour..... "	12,378,066	125,150,839	9,698,024	97,693,325
Oatmeal and rolled oats..... cwt.	661,612	4,521,583	187,002	1,476,472
Bran, shorts and middlings..... "	850,660	2,619,859	954,348	2,557,064
Malt..... bushel	1,452,301	3,174,555	3,390,803	6,525,360
Screenings..... cwt.	3,632,891	4,283,132	3,854,487	1,182,331
Commmeal..... barrel	31,860	326,042	17,190	140,348
All other meals, n.o.p. cwt.	43,306	205,267	51,183	184,133
Cereal foods, prepared, all kinds..... -	-	1,782,510	-	191,549
Total Value of Milled Products Exported	-	142,064,744	-	109,950,582
Grains:				
Wheat..... bushel	135,640,729	243,023,370	210,384,483	435,158,365
Oats..... "	25,345,036	22,559,860	22,628,271	18,532,774
Barley..... "	18,911,388	26,947,212	17,306,100	25,471,783
Corn..... "	91,182	455,790	130,728	472,059
Rye..... "	9,295,848	22,609,787	12,184,425	16,897,632
Buckwheat..... "	8,954	11,877	2,988	7,517
Total Value of Grains Exported.....	-	315,607,896	-	496,540,130

SECTION 2. - THE FLOUR MILLING INDUSTRY, 1949

TABLE 1. Principal Statistics of the Flour Mills in Canada for the Years 1935 to 1949

Year	Estab- lish- ments	Capital Invested	Employees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1935.....	384	50,278,121	4,244	4,479,679	65,378,617	81,955,937
1936.....	363	55,275,090	4,416	4,785,910	73,972,242	94,320,594
1937.....	335	49,617,744	4,469	5,069,315	94,016,740	112,744,579
1938.....	328	43,395,733	4,454	5,334,366	84,067,240	103,886,310
1939.....	303	41,167,975	4,540	4,621,270	59,164,699	81,745,050
1940.....	279	44,674,387	4,724	6,102,744	77,489,397	99,157,327
1941.....	288	51,570,978	4,896	6,733,703	91,222,378	114,207,864
1942.....	281	53,482,276	4,999	7,465,544	98,182,809	125,634,302
1943.....	260	60,890,898	5,337	8,441,616	133,850,395	159,094,142
1944.....	224	—	5,461	8,925,161	153,579,588	176,705,776
1945.....	195	—	5,654	9,630,553	158,499,853	184,562,881
1946.....	184	—	6,012	10,884,848	185,219,470	214,828,021
1947.....	174	—	6,220	12,603,961	230,467,746	266,503,211
1948						
Canada.....	170	—	5,334	11,882,590	220,068,533	255,338,531
Quebec.....	19	—	667	1,782,782	21,898,866	24,406,746
Ontario.....	76	—	2,477	5,512,083	111,786,678	128,611,767
Manitoba.....	20	—	600	1,115,624	22,645,734	26,118,798
Saskatchewan.....	26	—	709	1,578,088	33,368,134	39,901,993
Alberta.....	24	—	841	1,807,532	29,532,091	35,275,759
British Columbia.....	5	—	40	86,481	837,030	1,023,468
1949						
Canada.....	133	—	5,033	11,965,400	215,404,869	245,274,202
Quebec.....	7	—	611	1,699,304	22,756,877	24,961,248
Ontario.....	70	—	2,381	5,785,533	108,658,928	122,014,467
Manitoba.....	12	—	555	1,051,594	20,466,586	22,107,869
Saskatchewan.....	21	—	680	1,648,004	33,650,360	40,446,109
Alberta.....	18	—	760	1,676,775	27,564,493	32,331,311
British Columbia ¹	5	—	46	104,190	2,307,625	3,413,198

1. Includes feed mills.

TABLE 2. Production in Flour Mills by Classes and the Provinces, 1949

Products	Canada		Quebec	
	Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
		\$		\$
Wheat flour:				
Spring No. 1 or Top Patent including Semolina .. Bbl.	4, 231, 127	41, 409, 228	840, 914	7, 750, 929
Spring No. 2 Patent "	4, 272, 251	35, 382, 855	481, 192	4, 425, 191
Spring No. 3 Patent (Strong Bakers or Export Patent) "	8, 941, 714	83, 547, 472	702, 589	6, 699, 190
Ontario Winter wheat flour "	1, 246, 460	11, 595, 934	3, 220	31, 645
Durum Semolina and flour "	249, 924	2, 369, 389	—	—
Lower grades of flour "	565, 018	4, 404, 449	63, 605	551, 626
All Other "	561, 447	4, 824, 232	95, 519	563, 728
Flour and meal, other:				
Whole wheat and Graham flour lb.	45, 875, 544	2, 080, 557	465, 304	23, 541
Prepared or self raising flour "	4, 567, 188	548, 030	—	—
Barley flour "	62, 132	3, 328	—	—
Barley meal "	64, 000	1, 824	—	—
Rye flour "	3, 781, 398	145, 718	—	—
Rye meal "	1, 005, 156	34, 523	—	—
Corn flour "	3, 143, 368	147, 143	—	—
Corn meal "	8, 307, 504	431, 035	56, 000	1, 900
Buckwheat flour "	149, 800	6, 425	—	—
Breakfast foods:				
Prepared breakfast foods lb.	—	—	—	—
Oatmeal ton	4, 002	449, 529	—	—
Rolled oats "	50, 744	6, 162, 571	—	—
Rolled or flaked wheat lb.	438, 720	20, 309	—	—
Unprepared breakfast foods "	11, 896, 998	897, 913	129, 752	18, 430
Other products:				
Barley, pot and pearl lb.	3, 548, 138	195, 193	—	—
Stock and poultry feeds ton	9, 493	648, 827	161	10, 587
Shorts and middlings "	401, 321	21, 094, 159	38, 960	2, 203, 917
Bran "	286, 253	14, 455, 454	28, 889	1, 622, 227
* Chopped grain feed "	138, 117	7, 672, 664	10, 131	469, 854
Alfalfa meal "	2, 173	53, 472	—	—
Offal, not otherwise specified "	81, 223	2, 845, 690	1, 025	30, 750
All other products —	—	846, 270	—	557, 763
Total —	—	245, 274, 202	—	24, 961, 248

TABLE 2. Production in Flour Mills by Classes and the Provinces, 1949 - Continued

Products	Ontario		Manitoba	
	Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
		\$		\$
Wheat flour:				
Spring No. 1 or Top Patent including Semolina... Bbl.	1,335,089	12,909,627	339,913	3,116,601
Spring No. 2 Patent..... "	1,842,992	16,476,360	946,505	8,217,527
Spring No. 3 Patent (Strong Bakers or Export Patent)..... "	4,953,175	46,471,226	515,467	4,521,467
Ontario Winter wheat flour..... "	1,243,240	11,564,289	-	-
Durum Semolina and flour..... "	240,481	2,297,619	9,443	71,770
Lower grades of flour..... "	170,319	1,279,762	51,916	292,168
All other..... "	95,977	901,183	19,084	175,520
Flour and meal, other:				
Whole wheat and Graham flour..... lb.	18,004,560	809,219	6,840,596	280,846
Prepared or self raising flour..... "	4,565,588	547,870	-	-
Barley flour..... "	-	-	62,132	3,328
Barley meal..... "	-	-	-	-
Rye flour..... "	3,526,416	136,481	-	-
Rye meal..... "	1,005,156	34,523	-	-
Corn flour..... "	3,087,368	145,243	-	-
Corn meal..... "	8,307,504	431,035	-	-
Buckwheat flour..... "	149,800	6,425	-	-
Breakfast foods:				
Prepared breakfast foods..... lb.	-	-	-	-
Oatmeal..... ton	2,298	256,358	528	62,282
Rolled oats..... "	17,494	2,048,694	7,370	869,303
Rolled or flaked wheat..... lb.	25,020	1,342	201,500	8,060
Unprepared breakfast foods..... "	6,710,055	416,384	2,092,592	181,178
Other products:				
Barley, pot and pearl..... lb.	838,292	43,839	1,777,916	101,500
Stock and poultry feeds..... ton	5,037	355,283	707	47,771
Shorts and middlings..... "	203,867	11,031,714	41,820	2,096,954
Bran..... "	139,983	7,275,527	26,224	1,299,770
Chopped grain feed..... "	86,932	5,072,015	9,698	520,373
Alfalfa meal..... "	2,173	53,472	-	-
Offal, not otherwise specified..... "	30,613	1,430,031	7,581	241,421
All other products..... -	-	18,946	-	-
Total..... -	-	122,014,467	-	22,107,869

TABLE 2. Production in Flour Mills by Classes and the Provinces, 1949 - Concluded

Products	Saskatchewan and British Columbia		Alberta	
	Quantity	Selling Value at Mill	Quantity	Selling Value at Mill
		\$		\$
Wheat flour:				
Spring No. 1 or Top Patent including Semolina.... bbl.	1, 213, 662	12, 678, 376	501, 549	4, 953, 695
Spring No. 2 Patent..... "	167, 166	1, 623, 735	834, 396	7, 640, 042
Spring No. 3 Patent (Strong Bakers or Export Patent)..... "	1, 753, 326	16, 677, 863	1, 017, 157	9, 177, 726
Ontario Winter wheat flour..... "	—	—	—	—
Durum Semolina and flour..... "	—	—	—	—
Lower grades of flour..... "	22, 959	163, 250	256, 219	2, 117, 643
All other..... "	216, 437	1, 933, 885	134, 430	1, 249, 916
Flour and meal, other:				
Whole wheat and Graham flour..... lb.	11, 942, 868	569, 439	8, 623, 216	397, 512
Prepared or self raising flour..... "	1, 600	160	—	—
Barley flour..... "	—	—	—	—
Barley meal..... "	64, 000	1, 824	—	—
Rye flour..... "	—	—	254, 982	9, 237
Rye meal..... "	—	—	—	—
Corn flour..... "	—	—	—	—
Corn meal..... "	—	—	—	—
Buckwheat flour..... "	—	—	—	—
Breakfast foods:				
Prepared breakfast foods..... lb.	—	—	—	—
Oatmeal..... ton	882	102, 483	294	28, 406
Rolled oats..... "	21, 739	2, 836, 605	4, 141	407, 969
Rolled or flaked wheat..... lb.	212, 200	10, 907	—	—
Unprepared breakfast foods..... "	307, 158	28, 543	2, 657, 441	253, 378
Other products:				
Barley, pot and pearl..... lb.	742, 056	41, 040	189, 874	8, 814
Stock and poultry feeds..... ton	1, 613	106, 811	1, 975	128, 375
Shorts and middlings..... "	64, 032	3, 191, 494	52, 642	2, 570, 050
Bran..... "	53, 241	2, 486, 155	37, 916	1, 771, 775
Chopped grain feed..... "	4, 201	221, 062	27, 155	1, 389, 360
Alfalfa meal..... "	—	—	—	—
Offal, not otherwise specified..... "	33, 137	916, 075	8, 867	227, 413
All other products..... —	—	269, 600	—	—
Total..... —	—	43, 859, 307	—	32, 331, 311

TABLE 3. Materials Used in Flour Mills, by Provinces, 1949

Materials	Canada		Quebec		Ontario	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Wheat..... bushel	90,904,514	186,357,590	9,547,492	20,706,838	44,777,614	94,184,631
Oats..... "	8,239,787	6,601,612	156,585	139,181	2,844,547	2,604,731
Barley..... "	1,589,459	1,876,687	162,290	203,231	536,474	711,089
Rye..... "	129,846	187,328	—	—	118,165	171,709
Corn..... "	452,665	818,614	23,531	40,748	407,063	738,822
Buckwheat..... "	8,882	10,013	2,000	2,000	6,784	7,914
Peas..... "	2,447	7,200	—	—	2,265	6,800
Mixed grain for chopping..... "	3,421,335	3,561,649	14,520	13,068	2,846,887	3,000,927
Other grains..... "	15,792	17,939	—	—	13,000	12,829
Alfalfa..... ton	2,174	46,838	—	—	2,174	46,838
All other materials..... —	—	944,602	—	393,570	—	301,382
Cost of containers purchased..... —	—	14,970,862	—	1,258,241	—	6,871,089
Cost of materials used in making containers..... —	—	3,935	—	—	—	167
Total..... —	—	215,404,869	—	22,756,877	—	108,658,928
	Manitoba		Saskatchewan and British Columbia ¹		Alberta	
	Quantity	Value	Quantity	Value	Quantity	Value
		\$		\$		\$
Wheat..... bushel	8,669,342	17,717,563	15,560,599	29,934,250	12,349,467	23,814,308
Oats..... "	1,131,645	904,671	3,149,028	2,250,895	957,982	702,134
Barley..... "	347,062	397,309	216,690	241,686	326,943	323,372
Rye..... "	1,535	2,800	—	—	10,146	12,819
Corn..... "	16,904	29,848	159	250	5,008	8,946
Buckwheat..... "	98	99	—	—	—	—
Peas..... "	—	—	—	—	182	400
Mixed grains for chopping..... "	7,806	4,439	62,857	58,311	489,265	484,904
Other grains..... "	2,200	2,110	—	—	592	3,000
Alfalfa..... ton	—	—	—	—	—	—
All other materials..... —	—	17,737	—	131,039	—	100,874
Cost of containers purchased..... —	—	1,390,010	—	3,341,554	—	2,109,968
Cost of materials used in making containers..... —	—	—	—	—	—	3,768
Total..... —	—	20,466,586	—	35,957,985	—	27,564,493

1. British Columbia includes feed mills.

TABLE 4. Size of Establishments, 1948 and 1949.

Establishments having a production of	Estab- lish- ments	Employees	Salaries and wages	Cost of materials used	Total production
	No.	No.	\$	\$	\$
1948					
Under \$50,000	28	140	341,021	1,327,534	1,607,139
\$50,000 to \$99,999	19	59	75,974	1,129,738	1,333,658
\$100,000 to \$199,999	30	164	268,856	3,714,726	4,373,647
\$200,000 to \$499,999	35	325	652,333	9,339,179	10,983,425
\$500,000 to \$999,999	21	434	927,775	13,303,359	15,309,134
\$1,000,000 to \$4,999,999	22	1,052	2,318,535	40,912,379	48,463,242
\$5,000,000 and over	15	3,160	7,300,096	150,341,616	173,268,286
Total	170	5,334	11,862,590	220,068,533	255,338,531
1949					
Under \$50,000	26	141	322,266	709,180	922,855
\$50,000 to \$99,999	14	47	65,094	876,661	1,038,475
\$100,000 to \$199,999	19	93	200,417	2,297,088	2,675,505
\$200,000 to \$499,999	25	209	471,406	6,746,960	7,666,231
\$500,000 to \$999,999	12	270	582,471	8,351,486	9,248,279
\$1,000,000 to \$4,999,999	22	986	2,275,492	40,460,150	47,373,608
\$5,000,000 and over	15	3,287	8,048,254	155,963,344	176,349,249
Total	133	5,033	11,965,400	215,404,869	245,274,202

TABLE 5a. Daily Capacity of Flour Mills, 1948 and 1949

Capacity of Mills per day of 24 hours	Number of mills	Total capacity of the mills in each group	Average per estab- lishment	Per cent of total	Number of barrels prod- uced during the year	Average per estab- lishment	Per cent of total
	No.	barrels	barrels	%	barrels	barrels	%
1948							
Under 100 barrels	53	2,516	48	2.2	241,251	4,552	1.0
100 to 199 barrels	46	5,710	124	5.1	890,708	19,363	3.9
200 to 299 barrels	22	4,980	226	4.4	671,712	30,532	2.9
300 to 499 barrels	15	5,875	378	5.1	1,137,318	75,821	4.9
500 to 999 barrels	9	6,050	672	5.4	985,553	109,505	4.3
1,000 to 2,999 barrels	14	23,230	1,659	20.7	5,464,604	390,329	23.6
3,000 to 4,999 barrels	5	17,750	3,550	15.8	5,069,108	1,013,821	22.0
5,000 barrels and over	6	46,300	7,717	41.3	8,647,920	1,441,320	37.4
Total and Average	170	112,211	660	100.0	23,108,174	135,931	100.0
1949							
Under 100 barrels	41	2,731	67	2.5	184,122	4,491	1.0
100 to 199 barrels	30	3,625	121	3.3	327,182	10,906	1.7
200 to 299 barrels	15	3,120	208	2.9	365,866	24,391	1.8
300 to 499 barrels	13	4,800	369	4.4	798,610	61,432	4.0
500 to 999 barrels	9	6,200	689	5.7	1,054,952	117,217	5.2
1,000 to 2,999 barrels	14	23,630	1,687	21.8	5,174,496	369,607	25.5
3,000 to 4,999 barrels	5	17,850	3,570	16.5	5,056,350	1,011,270	24.5
5,000 barrels and over	6	46,500	7,750	42.9	7,340,595	1,223,432	36.3
Total and Average	133	108,456	815	100.0	20,302,173	152,648	100.0

1. Includes Whole wheat and Graham flour.

TABLE 5b. Equipment and Capacity of Flour Mills, 1949

Province	Establishments	Pairs of Rolls	Pairs of Stones	Estimated Maximum Capacity per day
	No.	No.	No.	Bbl.
Quebec	7	291	4	10, 140
Ontario	70	1, 539	23	56, 436
Manitoba	12	386	3	9, 930
Saskatchewan and British Columbia	26	546	2	15, 315
Alberta	18	562	—	16, 635
Canada	133	3, 324	32	108, 456

TABLE 6. Monthly Employment of Wage-Earners, 1948 and 1949

Months	In Flour Mills			
	1948		1949	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	4, 171	147	3, 533	131
February	4, 149	136	3, 459	135
March	4, 114	143	3, 488	153
April	4, 049	128	3, 495	164
May	3, 980	125	3, 466	127
June	4, 029	131	3, 455	125
July	3, 990	131	3, 561	142
August	3, 978	160	3, 563	178
September	4, 214	213	3, 576	212
October	4, 088	202	3, 613	241
November	3, 975	166	3, 587	224
December	3, 807	151	3, 496	162
Average monthly employment	4, 041	156	3, 523	166

TABLE 7. Employees, Salaries and Wages in Flour Mills, 1948 and 1949

Year and Provinces	Employees on Salaries			Employees on Wages			Total Employees Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1948									
Canada	815	322	3, 180, 280	4, 041	156	8, 702, 310	4, 856	478	11, 882, 590
Quebec	129	48	725, 809	478	12	1, 056, 973	607	60	1, 782, 782
Ontario	290	112	1, 137, 932	2, 035	40	4, 374, 151	2, 325	152	5, 512, 083
Manitoba	83	30	256, 715	437	50	858, 909	520	80	1, 115, 624
Saskatchewan and British Columbia ¹	158	77	529, 315	491	23	1, 135, 254	649	100	1, 664, 569
Alberta	155	55	530, 509	600	31	1, 277, 023	755	86	1, 807, 532
1949									
Canada	931	413	3, 701, 468	3, 523	166	8, 263, 932	4, 454	579	11, 965, 400
Quebec	152	43	734, 123	407	9	965, 181	559	52	1, 699, 304
Ontario	368	191	1, 600, 722	1, 762	60	4, 184, 811	2, 130	251	5, 785, 533
Manitoba	108	52	301, 419	354	41	750, 175	462	93	1, 051, 594
Saskatchewan and British Columbia ¹	147	80	584, 535	475	24	1, 167, 659	622	104	1, 752, 194
Alberta	156	47	480, 669	525	32	1, 196, 106	681	79	1, 676, 775

1. British Columbia includes feed mills.

SECTION 3. FEED AND CHOPPING MILLS, 1949

TABLE 1. Principal Statistics of the Feed and Chopping Mill Industries in Canada, for the Years 1936-1949

Year	Estab- lish- ments	Capital Invested	Em- ployees	Salaries and Wages	Cost of Materials Used	Gross Value of Production
	No.	\$	No.	\$	\$	\$
1936.....	755	6,592,197	1,269	757,035	16,641,994	20,296,505
1937.....	751	6,662,288	1,334	808,441	17,541,591	20,889,600
1938.....	752	6,715,273	1,324	828,985	15,351,554	18,711,858
1939.....	747	6,758,343	1,358	894,126	16,270,466	20,031,379
1940.....	748	7,496,105	1,491	998,623	18,804,887	23,337,432
1941.....	844	8,425,629	1,643	1,172,298	24,748,779	30,007,770
1942.....	894	9,160,083	1,731	1,318,368	28,228,172	33,875,151
1943.....	871	9,978,917	1,826	1,574,122	35,636,127	42,033,149
1944.....	863	—	1,828	1,586,814	33,537,369	39,084,506
1945.....	828	—	1,858	1,692,362	33,771,092	39,706,499
1946.....	790	—	2,024	2,013,312	39,014,228	45,831,430
1947.....	787	—	2,065	2,228,098	50,206,730	57,649,246
1948						
Canada.....	754	—	1,790	2,173,061	49,180,903	55,430,169
Prince Edward Island.....	7	—	12	9,735	218,375	252,109
Nova Scotia.....	4	—	6	4,911	112,761	136,437
New Brunswick.....	14	—	25	23,997	373,101	432,992
Quebec.....	135	—	343	398,589	5,621,887	6,562,410
Ontario.....	534	—	1,259	1,537,669	38,938,775	43,513,010
Manitoba.....	16	—	49	57,549	1,189,468	1,374,974
Saskatchewan.....	6	—	19	29,583	345,844	416,220
Alberta.....	38	—	77	111,028	2,380,692	2,742,017
1949						
Canada.....	714	—	1,549	1,938,647	43,202,439	48,488,781
Prince Edward Island.....	7	—	10	7,766	187,838	214,389
Nova Scotia.....	4	—	6	6,148	114,395	137,444
New Brunswick.....	12	—	24	24,888	349,072	400,363
Quebec.....	132	—	291	330,314	5,466,928	6,201,447
Ontario.....	503	—	1,073	1,321,347	34,406,382	38,420,548
Manitoba.....	15	—	70	144,211	548,603	653,038
Saskatchewan.....	4	—	7	7,475	83,925	102,179
Alberta.....	37	—	68	96,498	2,045,296	2,359,373

TABLE 2. Production in Feed and Chopping Mills by Classes, Quantity and Value for Canada and the Provinces, 1948 and 1949

Provinces	Chopped Grain Feed		Other Products	Total
	Quantity	Value	Value	Value
	ton	\$	\$	\$
1948				
Canada.....	792,369	44,465,281	10,964,888	55,430,169
Prince Edward Island.....	2,513	142,642	109,467	252,109
Nova Scotia.....	1,878	114,456	21,981	136,437
New Brunswick.....	4,306	238,185	194,807	432,992
Quebec.....	85,613	4,818,452	1,743,958	6,562,410
Ontario.....	626,992	35,554,092	7,958,918	43,513,010
Manitoba.....	18,124	955,581	419,393	1,374,974
Saskatchewan.....	5,655	293,890	122,330	416,220
Alberta.....	47,288	2,347,983	394,034	2,742,017
1949				
* Canada.....	768,410	43,632,446	4,856,335	48,488,781
Prince Edward Island.....	3,458	174,854	39,535	214,389
Nova Scotia.....	2,302	137,444	—	137,444
New Brunswick.....	6,467	302,761	97,602	400,363
Quebec.....	101,205	5,710,178	491,269	6,201,447
Ontario.....	603,784	34,633,494	3,787,054	38,420,548
Manitoba.....	6,591	350,826	302,212	653,038
Saskatchewan.....	1,596	92,147	10,032	102,179
Alberta.....	43,007	2,230,742	128,631	2,359,373

TABLE 3. Materials Used in Feed and Chopping Mills, 1948 and 1949

Materials	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
Wheat..... bushel	2,226,380	3,814,568	1,292,236	2,314,103
Oats..... "	10,402,382	8,590,506	9,310,419	7,804,575
Barley..... "	7,450,060	8,433,418	5,121,722	6,171,174
Rye..... "	31,590	48,621	17,594	23,346
Corn..... "	361,213	612,378	579,566	906,797
Buckwheat..... "	116,875	149,884	116,188	146,192
Peas..... "	90,575	284,561	72,201	269,452
Mixed grain..... "	22,703,973	23,527,430	22,597,487	23,971,958
Other grains..... "	276,150	333,445	112,342	133,331
Cost of containers.....	—	479,993	—	232,039
Materials used for making containers.....	—	594	—	1,388
All other materials.....	—	2,905,505	—	1,228,084
Total.....	—	49,180,903	—	43,202,439

TABLE 4. Size of Establishments, 1948 and 1949

Establishments having a production of	Estab- lish- ments	Employees	Salaries and wages	Cost of materials used	Total production
	No.	No.	\$	\$	\$
1948					
Under \$50,000.....	374	485	287,423	7,626,441	8,526,940
\$50,000 to \$99,999.....	195	459	538,517	12,434,350	14,001,201
\$100,000 to \$199,999.....	147	577	858,136	18,358,017	20,655,844
\$200,000 and over.....	38	269	488,985	10,762,095	12,246,184
Total	754	1,790	2,173,061	49,180,903	55,430,169
1949					
Under \$50,000.....	400	610	523,628	9,484,468	10,679,804
\$50,000 to \$99,999.....	166	365	476,916	11,014,229	12,358,297
\$100,000 to \$199,999.....	116	395	621,708	14,320,104	16,127,984
\$200,000 and over.....	32	179	316,395	8,383,638	9,322,696
Total	714	1,549	1,938,647	43,202,439	48,488,781

TABLE 5. Employees, Salaries and Wages in Feed and Chopping Mills, 1949

Provinces	Employees on Salaries			Employees on Wages			Total Employees, Salaries and Wages		
	Male	Female	Total Salaries	Male	Female	Total Wages	Male	Female	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
Canada.....	651	58	857,244	836	4	1,081,403	1,487	62	1,938,647
Prince Edward Island	7	—	6,200	3	—	1,566	10	—	7,766
Nova Scotia.....	2	—	1,480	4	—	4,668	6	—	6,148
New Brunswick	11	1	10,184	12	—	14,704	23	1	24,888
Quebec.....	109	9	110,924	169	4	219,390	278	13	330,314
Ontario.....	438	38	557,036	597	—	764,311	1,035	38	1,321,347
Manitoba.....	44	9	118,358	17	—	25,853	61	9	144,211
Saskatchewan	3	—	3,100	4	—	4,375	7	—	7,475
Alberta.....	37	1	49,962	30	—	46,536	67	1	96,498

TABLE 6. Monthly Employment of Wage-Earners, 1948 and 1949

Months	In Feed and Chopping Mills			
	1948		1949	
	Male	Female	Male	Female
	No.	No.	No.	No.
January	1,028	7	825	4
February.....	1,020	7	817	4
March.....	1,018	7	821	4
April.....	1,005	7	811	4
May	1,001	7	793	4
June	970	6	772	4
July.....	977	7	782	4
August.....	985	7	798	4
September	985	7	790	4
October	1,019	8	827	4
November.....	1,033	7	830	4
December.....	1,028	7	815	4
Average monthly employment	1,011	7	836	4

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