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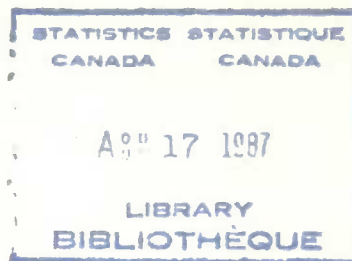
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~~Mr. Barclay~~  
Mr. Lincoln



CANADA



# THE FEEDS INDUSTRY

## 1954



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# NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

- I—General Review of the Manufacturing Industries, \$1.50
- II—The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada, 25¢
  - Section B. Atlantic Provinces, 25¢
  - Section C. Quebec, 25¢
  - Section D. Ontario, 25¢
  - Section E. Prairie Provinces, 25¢
  - Section F. British Columbia, 25¢
  - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III—Foods and Beverages
- IV—Tobacco and Tobacco Products
- V—Rubber Products
- VI—Leather Products
- VII—Textile Mills
- VIII—Knitting Mills
- IX—Clothing
  - X—Wood and Paper Products
- XI—Printing Trades
- XII—Iron and Steel Products
- XIII—Transportation Equipment
- XIV—Non-ferrous Metal Products
- XV—Electrical Apparatus and Supplies
- XVI—Non-metallic Mineral Products
- XVII—Products of Petroleum and Coal
- XVIII—Chemicals and Allied Products
- XIX—Miscellaneous Manufactures

The present report belongs in Part III, Foods and Beverages. 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, 25¢
- B—The Slaughtering and Meat Packing Industries, 25¢
- C—The Dairy Products Industry, 25¢
- D—The Fish Processing Industry, 25¢
- E—The Fruit and Vegetable Preparations Industry, 25¢
- F—The Flour Milling Industry, 25¢
- G—The Prepared Breakfast Foods Industry, 25¢
- H—The Feeds Industry, 25¢
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- M—The Brewing Industry, 25¢
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- P—The Sugar Refining Industry, 25¢
- Q—The Macaroni and Kindred Products Industry, 25¢
- R—The Miscellaneous Food Preparations Industry, 25¢
- S—The Canned Foods Summary, 25¢

# THE FEEDS INDUSTRY

## 1954

Previous to the publication of this report there were, in addition to the Breakfast Foods Industry, two annual publications dealing with grain mill products:

- (a) The Flour and Feed Mills Industries.
- (b) The Prepared Stock and Poultry Feeds Industry.

The first report mentioned above included separate statistical data on the Flour Milling Industry and analyzed in detail all those establishments which manufacture flour. In addition, these establishments manufactured any or all of the commodities usually associated with the feed industry. In the same report the summary of the Feed Milling Industry included establishments which manufacture principally chopped grain feeds on a merchant or custom basis. These establishments may have also produced prepared stock and poultry feeds, but if the volume of such prepared feeds exceeded four hundred tons, they were classified to the Prepared Stock and Poultry Feeds Industry.

The report on the Prepared Stock and Poultry Feeds Industry presented the detail of firms specializing in the manufacture of prepared stock and poultry feeds. These firms did not manufacture flour and their production of feeds had to be in excess of 400 tons. This group of establishments may have produced, at the same time, any other grain mill products.

Currently, it became necessary for the Bureau to publish data which would allow industry to assess what proportion of the livestock population the output of their plant was feeding. While this situation could not be met entirely, since feed production is spread over numerous industries, approximately 98 per cent by volume of all primary and secondary feeds could be presented in one report by removing feed milling establishments from the Flour and Feed Milling Industry and combining these with those of Prepared Stock and Poultry Feeds. Beginning in 1953, reports on the Grain Milling industries are now published as follows:

- (a) **The Flour Milling Industry** includes all establishments which produce wheat flour in any quantity. Therefore it would necessarily include feeds in any form manufactured by these establishments, with one exception. Some of the larger milling companies which conduct separate feed milling divisions provide two reports; one covering their flour milling activity and the second covering their feed production activity. In this latter case, the feed report is included in the Feeds Industry.
- (b) **The Feeds Industry** includes all establishments which manufacture prepared feeds, chopped grain feeds on own account, and carry on a service operation of custom milling and chopping. This group, however, does not include those establishments which manufacture flour and which may produce, in addition, prepared and chopped grain feeds. Historically, the Feed Milling Industry as it existed prior to 1953, has now been removed from its statistical association with flour milling and has been combined with the former Prepared Stock & Poultry Feeds Industry. The industry will henceforth be referred to as the Feeds Industry. The number of firms transferred totalled 643 in 1953 and constitute only 13% of the selling value of shipments in the Total Feeds Industry.

- (c) **The Breakfast Foods Industry** includes all firms which manufacture prepared breakfast foods. The industry also includes some of the large flour milling companies which maintain separate breakfast foods divisions.

In 1950, the statistical treatment of the Flour Milling Industry and that of the Feed Milling Industry changed considerably, primarily in the treatment of custom grinding and custom milling. Up to and including 1949, custom grinding and milling had been converted, for statistical purposes, to a merchant grinding and milling basis, whereby the volume of custom ground and milled grains was valued at the average cost of merchant grains reported. These two values were added to give the total gross value of shipments. In 1950, the method of estimating gross value was changed. Only the amount received for service rendered is considered as part of the gross value of shipments, no account being taken of the value of grains supplied for custom. Historically, principal statistics in Table 1 have been made comparable beginning with the 1953 reports. It should be noted that this change in the statistical treatment does not affect the net value of production for the industry. The volume of grains used for custom chopping and milling, together with the custom charges are shown in Table 7, page 7. Principal statistics of the industries as broken down previous to 1953 are provided in Table 1(b) and 1(c).

The increasing importance of the Feeds Industry is shown by its spectacular development during the Second World War. In 1947 the gross value of production was reported as \$149,678,978, almost eight times the gross value of the 1939 production of \$17,030,455. Following the close of World War II, the gross value of production continued to increase, but the annual increases were much smaller than those which occurred during the war era. In 1952 the value of shipments from plants amounted to \$206,118,118 and reflected the peak period. A decrease of approximately 10.5 million dollars occurred in 1953 when \$195,784,881 was reported.

The present report covers 1,318 establishments, an increase of 21 plants from those in 1953. Employment increased in 1954 to 7,788 male and female employees from 7,233 employees in the previous year. With the increase in number of employees went an increase in salaries and wages of approximately \$1,900,000 total of \$18,093,413 in 1954. At the same time, the cost of raw materials increased from \$157,984,762 in 1953 to \$172,798,487 in 1954.

The number of operating firms is being constantly revised through the co-operation of the Plant Products Division of the Department of Agriculture. Feeds manufactured by establishments from other industries are shown in Tables 9 and 10, while chopped grains from other industries are shown in the footnote to Table 7.

Concentrated feeds produced in 1954 totalled 259,284 tons compared with 230,094 tons in 1953, and complete livestock feeds were 1,704,978 tons in 1954, and 1,593,846 tons in 1953.



TABLE 1(a). Principal Statistics of the Feeds Industry, 1930-1954<sup>1</sup>

Includes Chopping Mills (see Table 1(b)) and Prepared Feed Mills (see Table 1(c)).

	Estab- lishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture <sup>2</sup>	Selling value of factory shipments <sup>3</sup>
	No.	No.	\$	\$	\$	\$	\$
<b>Canada:</b>							
1930.....	912	1,471	1,093,824	393,738	4,705,848	2,254,810	7,354,396
1931.....	931	1,580	1,200,194	264,080	3,558,625	2,435,794	6,258,499
1932.....	933	1,686	1,148,961	265,987	3,511,842	2,169,459	5,947,288
1933.....	959	1,839	1,294,968	308,282	4,198,393	2,117,592	6,624,267
1934.....	921	1,884	1,272,835	309,130	5,348,816	3,111,266	7,769,212
1935.....	842	1,991	1,523,373	331,864	6,544,296	2,771,684	9,647,844
1936.....	849	2,077	1,670,515	359,059	9,742,888	3,612,409	13,714,356
1937.....	847	2,252	1,879,683	362,380	12,831,691	4,083,056	17,277,127
1938.....	883	2,509	2,181,866	393,276	11,753,063	4,054,642	16,200,981
1939.....	868	2,669	2,466,615	450,003	11,945,321	4,635,131	17,030,455
1940.....	863	2,872	2,662,314	520,734	14,131,612	5,548,450	20,200,796
1941.....	962	3,175	3,110,737	627,750	20,560,449	6,355,748	27,543,947
1942.....	1,021	3,624	3,864,611	750,101	27,091,515	7,580,097	35,421,713
1943.....	1,009	4,057	4,908,850	827,058	44,431,945	10,336,773	55,595,776
1944.....	1,069	5,067	6,747,543	1,023,766	66,724,862	13,579,160	81,327,788
1945.....	1,050	5,344	7,256,118	1,075,896	71,156,406	15,154,210	87,386,512
1946.....	1,025	5,995	8,421,638	1,231,213	85,495,809	18,079,836	104,806,858
1947.....	1,072	6,501	10,129,300	1,500,838	124,330,806	23,847,334	149,678,978
1948.....	1,072	6,114	10,645,531	1,651,597	134,177,721	22,686,457	158,515,775
1949.....	1,199	6,905	12,828,184	1,929,057	142,682,199	27,238,503	171,849,759
1950.....	1,253	6,644	12,536,754	2,243,424	147,842,755	28,815,460	178,901,639
1951.....	1,311	6,999	14,312,780	2,529,028	164,376,991	32,064,039	198,970,058
1952.....	1,317	7,441	15,703,521	2,917,831	169,325,153	33,874,134	206,117,118
<b>1953</b>							
Prince Edward Island.....	17	72	118,993	20,624	1,191,454	223,570	1,435,648
Nova Scotia.....	13	96	190,305	26,164	3,194,315	506,647	3,727,126
New Brunswick.....	22	182	390,017	58,688	5,341,838	853,623	6,254,149
Quebec.....	333	1,823	3,810,344	617,312	50,135,536	9,327,629	60,080,477
Ontario.....	728	3,719	8,353,091	1,640,311	74,607,982	16,917,457	93,165,750
Manitoba.....	46	258	622,102	92,302	5,584,145	1,441,633	7,118,080
Saskatchewan.....	15	81	185,490	28,738	1,336,658	400,245	1,765,641
Alberta.....	80	310	719,404	123,403	5,454,113	1,737,259	7,314,775
British Columbia.....	43	692	1,808,525	278,860	11,138,721	3,505,654	14,923,235
<b>Canada.....</b>	<b>1,297</b>	<b>7,233</b>	<b>16,198,271</b>	<b>2,886,402</b>	<b>157,984,762</b>	<b>34,913,717</b>	<b>195,784,881</b>
<b>1954</b>							
Prince Edward Island.....	18	76	127,228	24,085	1,229,809	293,535	1,546,376
Nova Scotia.....	15	97	194,556	32,600	3,519,101	595,824	4,141,301
New Brunswick.....	21	195	448,909	72,857	6,023,870	821,864	6,902,200
Quebec.....	358	2,074	4,602,726	867,444	57,928,871	11,647,985	70,084,776
Ontario.....	720	3,951	9,015,310	1,842,398	76,703,793	18,572,359	96,874,683
Manitoba.....	47	259	623,253	124,657	7,004,330	1,487,730	8,629,588
Saskatchewan.....	16	84	205,003	36,183	1,606,081	425,867	2,090,093
Alberta.....	81	318	759,619	167,779	6,277,446	1,398,239	7,857,897
British Columbia.....	42	734	2,116,809	322,896	12,505,186	4,741,152	17,312,805
<b>Canada.....</b>	<b>1,318</b>	<b>7,788</b>	<b>18,093,413</b>	<b>3,490,899</b>	<b>172,798,487</b>	<b>39,984,555</b>	<b>215,439,719</b>

1. Cost of materials used and selling value of shipments for 1930 to 1949 have been revised to exclude the estimated value of the volume of grains handled in custom milling. Thus, data for 1949 and previous years have been made comparable to the new basis instituted in 1950 and used in succeeding years. This change in statistical treatment does not affect the net value of production for the industries.

2. The present report shows figures on "Value added by manufacture" for the first time. (See table 1). In 1952 and previous years, "Value added by manufacture" was obtained by subtracting total cost of materials, fuel and electricity from the selling value of products. In 1953, since value of products was not available, value of shipments was used. In 1954 the value of products is obtained from value of shipments by adding (or subtracting) the increase (or decrease) in finished goods inventory (see table 5), then subtracting cost of materials, fuel and electricity.

3. Gross value of production for 1951 and preceding years. The selling value of factory shipments was not introduced until 1952.

**TABLE 1(b). Principal Statistics of Firms classified as Chopping Mills, 1930-1954<sup>1</sup>**  
(Included in Table 1(a))

	Estab- lishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments <sup>2</sup>
	No.	No.	\$	\$	\$	\$	\$
1930 .....	894	1,250	793,889	370,654	2,766,545	1,145,279	4,282,478
1931 .....	893	1,261	755,501	222,088	1,758,783	1,366,713	3,347,584
1932 .....	896	1,261	664,024	215,907	1,523,692	1,069,461	2,809,060
1933 .....	915	1,317	685,448	248,197	1,946,878	917,731	3,112,806
1934 .....	875	1,370	691,321	248,809	2,325,100	975,169	3,549,078
1935 .....	743	1,210	685,828	243,025	1,809,737	963,111	3,015,873
1936 .....	755	1,269	757,035	260,689	2,727,883	1,089,072	4,077,644
1937 .....	751	1,334	808,441	255,637	3,382,728	1,188,927	4,827,292
1938 .....	752	1,324	828,985	251,895	2,815,644	1,141,852	4,209,391
1939 .....	747	1,358	894,126	269,254	2,842,979	1,252,979	4,365,212
1940 .....	748	1,491	998,623	300,034	3,891,015	1,688,400	5,879,449
1941 .....	844	1,643	1,172,298	372,632	5,394,742	2,007,336	7,774,712
1942 .....	894	1,731	1,318,368	434,220	5,856,197	2,379,971	8,670,388
1943 .....	871	1,826	1,574,122	475,624	11,389,956	3,135,493	15,001,073
1944 .....	863	1,828	1,586,814	451,887	10,912,750	2,465,999	13,830,636
1945 .....	828	1,858	1,692,362	443,347	13,242,117	3,450,309	17,135,773
1946 .....	790	2,024	2,013,312	494,200	16,846,583	3,871,898	21,212,681
1947 .....	787	2,065	2,228,098	567,593	23,946,764	4,611,581	29,125,938
1948 .....	754	1,790	2,173,061	523,883	23,227,218	3,817,947	27,569,048
1949 .....	714	1,549	1,938,647	465,750	17,036,559	2,877,090	20,379,399
1950 .....	685	1,453	1,891,370	521,425	19,329,411	3,725,929	23,576,765
1951 .....	663	1,494	2,132,923	589,816	19,759,811	4,110,636	24,460,263
1952 .....	646	1,503	2,311,169	806,230	20,523,365	3,906,791	25,036,386
1953 .....	643	1,473	2,336,382	572,228	20,156,743	4,622,227	25,351,198
1954 .....	640	1,681	2,747,613	696,595	20,325,779	4,337,564	25,307,120

<sup>1</sup> See footnote 1, table 1(a).

<sup>2</sup> See footnote 2, table 1(a).

**TABLE 1(c). Principal Statistics of Firms classified as Manufacturers of Prepared Feeds, 1930-1954<sup>1</sup>**  
(Included in Table 1(a))

	Estab- lishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments <sup>2</sup>
	No.	No.	\$	\$	\$	\$	\$
1930 .....	18	221	299,935	23,084	1,939,303	1,109,531	3,071,918
1931 .....	38	319	444,693	41,992	1,799,842	1,069,081	2,910,915
1932 .....	37	425	484,937	50,080	1,988,150	1,099,998	3,138,228
1933 .....	44	522	609,520	60,085	2,251,515	1,199,861	3,511,461
1934 .....	46	514	581,514	60,321	3,023,716	1,136,097	4,220,134
1935 .....	99	781	837,545	88,839	4,734,559	1,808,573	6,631,971
1936 .....	94	808	913,480	98,370	7,015,005	2,523,337	9,636,712
1937 .....	96	918	1,071,242	106,743	9,448,963	2,894,129	12,449,835
1938 .....	131	1,185	1,352,881	141,381	8,937,419	2,912,790	11,991,590
1939 .....	121	1,311	1,572,489	180,749	9,102,342	3,382,152	12,665,243
1940 .....	115	1,381	1,663,691	220,700	10,240,597	3,860,050	14,321,347
1941 .....	118	1,532	1,938,439	255,118	15,165,707	4,348,410	19,769,235
1942 .....	127	1,893	2,546,243	315,881	21,235,318	5,200,126	26,751,325
1943 .....	138	2,231	3,334,728	351,434	33,041,989	7,201,280	40,594,703
1944 .....	206	3,239	5,160,729	571,879	55,812,112	11,113,161	67,497,152
1945 .....	222	3,486	5,563,756	632,549	57,914,289	11,703,901	70,250,739
1946 .....	235	3,971	6,408,326	737,013	68,649,226	14,207,938	83,594,177
1947 .....	285	4,436	7,901,202	933,245	100,384,042	19,235,753	120,553,040
1948 .....	318	4,324	8,472,470	1,127,714	110,950,503	18,868,510	130,946,727
1949 .....	485	5,356	10,889,537	1,463,307	125,645,640	24,361,413	151,470,360
1950 .....	568	5,191	10,645,384	1,721,999	128,513,344	25,089,531	155,324,874
1951 .....	648	5,505	12,179,857	1,939,212	144,617,180	27,953,403	174,509,795
1952 .....	671	5,938	13,392,352	2,311,601	148,801,788	29,967,343	181,080,732
1953 .....	654	5,760	13,861,889	2,314,174	137,828,019	30,291,490	170,433,683
1954 .....	678	6,107	15,345,800	2,794,304	152,472,708	35,646,991	190,132,599

<sup>1</sup> See footnote 1, table 1(a).

<sup>2</sup> See footnote 2, table 1(a).



TABLE 2. Principal Statistics classified According to Size of Establishments, 1953-1954

Establishments having a production of	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
<b>1953</b>						
Under \$50,000 .....	698	1,291	1,700,953	490,250	8,524,458	11,546,311
\$ 50,000 to 99,999 .....	240	961	1,716,211	370,808	13,712,209	17,124,932
\$ 100,000 to 199,999 .....	199	1,248	2,548,834	605,419	21,880,572	27,400,447
\$ 200,000 to 499,999 .....	90	981	2,391,828	490,859	21,101,275	26,924,699
\$ 500,000 to 999,999 .....	34	668	1,810,750	219,323	18,624,200	23,355,638
\$1,000,000 to 4,999,999 .....	33	1,703	4,662,012	589,364	55,619,063	67,106,011
\$5,000,000 and over .....	3	365	1,325,150	120,381	18,522,985	22,326,843
Head Offices .....	—	16	42,533	—	—	—
<b>Total</b> .....	<b>1,297</b>	<b>7,233</b>	<b>16,198,271</b>	<b>2,886,402</b>	<b>157,984,762</b>	<b>195,784,881</b>
<b>1954</b>						
Under \$50,000 .....	705	1,372	1,852,534	536,036	8,605,382	11,689,350
\$ 50,000 to 99,999 .....	224	981	1,849,602	478,599	12,882,982	16,156,493
\$ 100,000 to 199,999 .....	199	1,206	2,462,436	706,635	21,416,680	26,730,000
\$ 200,000 to 499,999 .....	115	1,209	2,909,618	641,144	27,189,342	34,098,630
\$ 500,000 to 999,999 .....	37	747	2,038,122	406,495	19,696,369	25,089,774
\$1,000,000 to 4,999,999 .....	34	1,720	5,025,312	589,884	59,466,723	71,677,342
\$5,000,000 and over .....	4	475	1,656,678	132,106	23,541,009	29,998,130
Head Offices .....	—	78	299,111	—	—	—
<b>Total</b> .....	<b>1,318</b>	<b>7,788</b>	<b>18,093,413</b>	<b>3,490,899</b>	<b>172,798,487</b>	<b>215,439,719</b>

TABLE 3. Principal Statistics Classified by Number of Employees per Establishment, 1953-1954

Employment groups	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
<b>1953</b>						
Under 5 .....	920	1,950	2,970,681	812,959	26,185,861	32,820,040
5 - 14 .....	292	2,111	4,468,230	847,023	40,618,146	50,704,554
15 - 49 .....	70	1,702	4,468,236	752,167	47,301,027	58,518,185
50 - 99 .....	9	667	1,953,310	281,471	21,991,060	27,071,582
100 - 199 .....	6	787	2,295,281	192,782	21,888,668	26,670,520
Head Offices .....	—	16	42,533	—	—	—
<b>Total</b> .....	<b>1,297</b>	<b>7,233</b>	<b>16,198,271</b>	<b>2,886,402</b>	<b>157,984,762</b>	<b>195,784,881</b>
<b>1954</b>						
Under 5 .....	872	1,816	2,821,564	864,796	23,162,185	29,206,223
5 - 14 .....	355	2,533	5,432,401	1,268,566	47,934,518	59,362,779
15 - 49 .....	78	1,969	5,330,829	936,955	57,812,900	71,228,164
50 - 99 .....	5	285	657,263	124,930	12,151,835	14,616,234
100 - 199 .....	8	1,107	3,552,245	295,652	31,737,049	41,006,319
Head Offices .....	—	78	299,111	—	—	—
<b>Total</b> .....	<b>1,318</b>	<b>7,788</b>	<b>18,093,413</b>	<b>3,490,899</b>	<b>172,798,487</b>	<b>215,439,719</b>

TABLE 4. Principal Statistics Classified According to Type of Ownership, 1953-1954

	Establishments	Employees	Earnings	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$	\$
<b>1953</b>						
Individual Ownership .....	654	1,645	2,751,007	700,405	25,120,034	30,795,678
Partnership .....	187	642	1,017,981	233,717	8,928,545	10,945,682
Incorporated Companies .....	283	3,661	9,809,250	1,528,597	97,345,146	121,728,256
Co-operatives .....	173	1,285	2,620,033	423,683	26,591,037	32,315,265
<b>Total</b> .....	<b>1,297</b>	<b>7,233</b>	<b>16,198,271</b>	<b>2,886,402</b>	<b>157,984,762</b>	<b>195,784,881</b>
<b>1954</b>						
Individual Ownership .....	671	1,801	3,081,053	859,085	27,103,651	33,426,693
Partnership .....	187	743	1,277,284	300,565	10,434,700	12,856,738
Incorporated Companies .....	287	3,857	10,686,824	1,733,664	104,975,776	132,533,933
Co-operatives .....	173	1,387	3,048,252	597,585	30,284,360	36,622,305
<b>Total</b> .....	<b>1,318</b>	<b>7,788</b>	<b>18,093,413</b>	<b>3,490,899</b>	<b>172,798,487</b>	<b>215,439,719</b>

TABLE 5. Inventories, 1954

	Raw materials and Supplies	Goods in Process	Finished goods of own manufacture	Total Inventory
	\$	\$	\$	\$
Opening .....	14,129,982	362,302	5,141,446	19,633,730
Closing .....	15,029,745	415,123	5,975,868	21,420,536

TABLE 6. Capital and Repair Expenditures in the Feed Industries, 1950-1954

(Thousands of dollars)

Year	Capital expenditures			Repair expenditures			Capital and repair expenditures		
	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Sub-total	Construction	Machinery and equipment	Total
1950 .....	1,547	2,221	3,768	577	1,404	1,981	2,124	3,625	5,749
1951 .....	1,427	2,463	3,890	626	1,606	2,232	2,053	4,069	6,122
1952 .....	1,585	2,358	3,943	540	1,737	2,277	2,125	4,095	6,220
1953 .....	1,213	2,621	3,834	614	1,468	2,082	1,827	4,089	5,916
1954 .....	1,459	2,102	3,561	566	1,508	2,074	2,025	3,610	5,635

TABLE 7. Custom Chopping and Grinding in the Feeds Industry, 1953-1954

(Includes chopping mills and prepared feed mills)

	Wheat	Oats	Barley	Mixed Grains	Other Grains	Total	Amount received for, custom work
	tons						\$
1953 <sup>2</sup>							
Canada .....	35,471	219,807	84,625	439,198	19,607	798,708	2,160,168
Prince Edward Island .....	272	1,442	420	5,119	40	7,293	24,512
Nova Scotia.....	5	1,934	182	2,229	—	4,350	12,384
New Brunswick .....	—	3,883	122	3,162	297	7,464	25,944
Quebec.....	9,834	83,029	32,934	51,638	3,129	180,564	580,610
Ontario.....	20,761	108,061	34,402	330,053	13,011	506,288	1,313,040
Manitoba .....	165	6,294	2,492	7,968	12	16,931	40,582
Saskatchewan .....	115	675	620	2,729	—	4,139	10,826
Alberta.....	4,304	12,745	13,365	34,458	3,118	67,990	142,524
British Columbia .....	15	1,744	88	1,842	—	3,689	9,746
1954 <sup>2</sup>							
Canada .....	37,680	228,380	94,143	481,298	13,207	854,708	2,327,086
Prince Edward Island .....	—	802	11	6,396	—	7,209	24,476
Nova Scotia.....	4	1,144	153	1,893	4	3,198	11,195
New Brunswick.....	788	4,959	767	4,012	36	10,562	33,745
Quebec.....	6,001	77,412	30,505	52,498	2,456	168,872	570,041
Ontario.....	26,515	125,608	35,943	370,452	10,482	569,000	1,461,891
Manitoba .....	379	3,710	7,128	6,251	—	17,468	41,897
Saskatchewan .....	494	182	225	2,582	—	3,483	14,757
Alberta .....	3,499	12,376	19,336	34,407	229	69,847	157,231
British Columbia .....	—	2,187	75	2,807	—	5,069	11,853

1. Included in the Selling Value of Factory Shipments.

2. Additional custom chopped grains — 1953 — Flour Mills — 59,783 Tons, Custom Charges \$148,254.

1954 — Flour Mills — 68,712 Tons, Custom Charges \$175,955.

TABLE 8. Factory Shipments, 1953 and 1954

Products	1953		1954	
	Quantity	Selling value	Quantity	Selling value
	tons	\$	tons	\$
<b>Concentrates:</b>				
Calf concentrates .....	1,603	169,255	1,806	196,250
Dairy and cattle concentrates .....	57,858	4,856,728	53,399	4,689,472
Swine concentrates .....	66,823	6,763,904	80,984	8,840,360
Poultry concentrates, total .....	103,672	11,395,411	123,008	14,260,864
(a) Chick starter concentrates .....	8,112	996,761	8,408	1,097,118
(b) Broiler concentrates .....	9,742	1,358,102	10,116	1,489,518
(c) Growing concentrates .....	20,060	2,062,150	26,802	2,988,953
(d) Laying and hatching concentrates .....	57,854	6,090,594	67,612	7,517,943
(e) Fattening and finishing concentrates .....	1,111	132,328	741	84,965
(f) Turkey concentrates .....	5,110	588,444	6,528	757,710
(g) Other poultry concentrates .....	1,683	167,032	2,801	324,657
Concentrates n.e.s. ....	—	—	40	4,000
<b>Total concentrates .....</b>	<b>229,956</b>	<b>23,185,298</b>	<b>259,237</b>	<b>27,990,946</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	27,647	2,632,684	25,892	2,496,924
Dairy and cattle feeds .....	290,413	19,867,970	325,011	22,396,138
Swine feeds .....	427,545	30,322,735	432,153	31,011,054
Poultry feeds, total .....	827,217	69,737,460	901,446	76,838,041
(a) Chick starter feeds .....	101,507	9,023,947	111,081	9,895,712
(b) Broiler feeds .....	85,087	8,079,026	96,627	9,309,772
(c) Growing feeds .....	152,413	11,893,631	172,626	13,910,459
(d) Laying and hatching feeds .....	358,478	29,257,584	373,148	30,503,859
(e) Fattening and finishing feeds .....	18,030	1,429,405	28,365	2,323,777
(f) Turkey feeds .....	86,268	7,941,603	98,239	9,122,268
(g) Other poultry feeds .....	25,434	2,112,064	21,360	1,772,194
Other feeds .....	—	—	—	—
<b>Total complete feeds .....</b>	<b>1,572,822</b>	<b>122,560,849</b>	<b>1,684,502</b>	<b>132,742,157</b>
<b>Other feeds:</b>				
Mineral mixtures .....	6,870	602,482	8,146	821,811
Dog and cat foods:				
(a) Canned .....	35,890	6,150,965	37,227	6,309,587
(b) Biscuits .....	3,376	655,946	3,549	752,123
(c) Other (meals, etc.) .....	1	1	1	1
Fox biscuits .....	294	34,566	1,152	130,351
Other fox feeds .....	1,026	124,720	—	—
Mink feeds .....	4,835	574,987	4,908	578,301
Rabbit feeds .....	3,846	310,531	2,924	248,292
Goat feeds .....	139	11,446	128	11,107
Feeds for other animals .....	12,440	1,930,993	13,429	1,980,319
Scratch feeds .....	94,726	6,574,331	95,413	6,637,548
Hominy feed .....	54	3,396	37	2,430
Chopped, ground or crushed grain feed, total .....	463,746	26,079,895	505,677	29,236,049
(a) Wheat .....	46,877	3,036,327	55,474	3,538,195
(b) Oats .....	161,963	8,812,322	183,004	10,406,351
(c) Barley .....	95,077	5,319,261	124,167	7,031,373
(d) Corn .....	23,933	1,589,969	23,252	1,584,274
(e) Mixed .....	101,841	5,807,280	87,155	5,204,542
(f) Other .....	34,055	1,514,736	32,625	1,471,314
<b>Other products:</b>				
Stock and poultry tonics .....	—	647,989	—	658,102
Veterinary medicines .....	—	32,671	—	33,482
Alfalfa meal: dehydrated .....	20,235	1,256,075	26,323	1,689,005
sundried .....	11,741	442,364	13,414	454,902
Cereal and legume grass meal .....	12,788	989,310	10,877	982,933
Cereal products for human consumption .....	4,453	487,459	7,286	811,159
All other products .....	8,188	968,440	7,923	1,042,229
<b>Total, excluding custom work .....</b>	<b>2,487,225</b>	<b>193,624,713</b>	<b>2,682,152</b>	<b>213,112,633</b>
Amount received for custom chopping <sup>2</sup> .....	—	2,160,168	—	2,327,086
<b>Total .....</b>	<b>—</b>	<b>195,784,881</b>	<b>—</b>	<b>215,439,719</b>

1. Included in "Feeds for Other animals". For production from all industries see tables 9 and 10.

2. See table 7 for further details.

3. Included in "All other products".



TABLE 9. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1953

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity	Quantity	Quantity	Selling Value at plant
	tons	tons	tons	\$
<b>CANADA</b>				
<b>Concentrates:</b>				
Calf concentrates .....	1,603	—	1,603	169,255
Dairy and cattle concentrates .....	57,858	—	57,858	4,856,728
Swine concentrates .....	66,823	—	66,823	6,763,904
Poultry concentrates:				
<b>Total</b> .....	<b>103,672</b>	<b>—</b>	<b>103,672</b>	<b>11,395,411</b>
(a) Chick starter concentrates .....	8,112	—	8,112	996,761
(b) Broiler concentrates .....	9,742	—	9,742	1,358,102
(c) Growing concentrates .....	20,060	—	20,060	2,062,150
(d) Laying and hatching concentrates .....	57,854	—	57,854	6,090,594
(e) Fattening and finishing concentrates .....	1,111	—	1,111	132,328
(f) Turkey concentrates .....	5,110	—	5,110	588,444
(g) Other poultry concentrates .....	1,683	—	1,683	167,032
Concentrates, n.e.s. ....	—	138	138	13,190
<b>Total concentrates</b> .....	<b>229,956</b>	<b>138</b>	<b>230,094</b>	<b>23,198,488</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	27,647	212	27,859	2,651,570
Dairy and cattle feeds .....	290,413	2,610	293,023	20,034,385
Swine feeds .....	427,545	9,382	436,927	30,954,481
Poultry feeds:				
<b>Total</b> .....	<b>827,217</b>	<b>8,820</b>	<b>836,037</b>	<b>70,431,104</b>
(a) Chick starter feeds .....	101,507	890	102,397	9,104,716
(b) Broiler feeds .....	85,087	—	85,087	8,079,026
(c) Growing feeds .....	152,413	2,214	154,627	12,064,593
(d) Laying and hatching feeds .....	358,478	4,989	363,467	29,642,538
(e) Fattening and finishing feeds .....	18,030	446	18,476	1,464,052
(f) Turkey feeds .....	86,268	170	86,438	7,956,705
(g) Other poultry feeds .....	25,434	111	25,545	2,119,474
<b>Total complete feeds</b> .....	<b>1,572,822</b>	<b>21,024</b>	<b>1,593,846</b>	<b>124,071,540</b>
<b>Other feeds:</b>				
Mineral mixtures .....	6,870	16	6,886	603,122
Dog and cat foods:				
(a) Canned .....	35,690	4,201	39,891	6,992,239
(b) Biscuits .....	3,376	—	3,376	655,946
(c) Other (meals, etc.) .....	1	1	8,434	1,470,002
Fox biscuits .....	294	—	294	34,566
Other fox feeds .....	1,026	721	1,747	204,380
Mink feeds .....	4,835	2,998	7,833	1,023,180
Rabbit feeds .....	3,846	—	3,846	310,531
Goat feeds .....	139	—	139	11,446
Feeds for other animals .....	12,440	1,894	5,900	648,089
Scratch feeds .....	94,726	791	95,517	6,625,208
Hominy feed .....	54	—	54	3,396
Chopped, ground or crushed grain feed:				
<b>Total</b> .....	<b>463,746</b>	<b>28,665</b>	<b>492,411</b>	<b>27,402,878</b>
(a) Wheat .....	46,877	—	46,877	3,036,327
(b) Oats .....	161,963	—	161,963	8,812,322
(c) Barley .....	95,077	—	95,077	5,319,261
(d) Corn .....	23,933	—	23,933	1,589,969
(e) Mixed .....	101,841	28,665	130,506	7,130,263
(f) Other .....	34,055	—	34,055	1,514,736
<b>Other products:</b>				
Stock and poultry tonics .....	value only	—	value only	647,989
Veterinary medicines .....	" "	—	" "	32,671
Alfalfa meal: dehydrated .....	20,235	—	20,235	1,256,075
sundried .....	11,741	—	11,741	442,364
Cereal and legume grass meal .....	12,788	—	12,788	989,310
Cereal products for human consumption .....	4,453	—	4,453	487,459
All other products .....	8,188	—	8,188	968,440
<b>Total</b> .....	<b>2,487,225</b>	<b>60,448</b>	<b>2,547,673</b>	<b>198,079,319</b>

1. Included in Feeds for Other Animals.

TABLE 10. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1934

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity	Quantity	Quantity	Selling Value at plant
	tons	tons	tons	\$
<b>CANADA</b>				
<b>Concentrates:</b>				
Calf concentrates .....	1,806	—	1,806	196,250
Dairy and cattle concentrates .....	53,399	—	53,399	4,689,472
Swine concentrates .....	80,984	—	80,984	8,840,360
Poultry concentrates:				
Total .....	123,008	—	123,008	14,260,864
(a) Chick starter concentrates .....	8,408	—	8,408	1,097,118
(b) Broiler concentrates .....	10,116	—	10,116	1,489,518
(c) Growing concentrates .....	26,802	—	26,802	2,988,953
(d) Laying and hatching concentrates .....	67,612	—	67,612	7,517,943
(e) Fattening and finishing concentrates .....	741	—	741	84,965
(f) Turkey concentrates .....	6,528	—	6,528	757,710
(g) Other poultry concentrates .....	2,801	—	2,801	324,657
Concentrates, n.e.s. ....	40	47	87	9,569
Total concentrates .....	259,237	47	259,284	27,996,515
<b>Secondary or complete feeds:</b>				
Calf feeds .....	25,892	215	26,107	2,515,682
Dairy and cattle feeds .....	325,011	2,126	327,137	22,530,486
Swine feeds .....	432,153	9,172	441,325	31,605,043
Poultry feeds:				
Total .....	901,446	8,963	910,409	77,537,414
(a) Chick starter feeds .....	111,081	868	111,949	9,974,853
(b) Broiler feeds .....	96,627	—	96,627	9,309,772
(c) Growing feeds .....	172,626	2,101	174,727	14,069,880
(d) Laying and hatching feeds .....	373,148	5,463	378,611	30,921,428
(e) Fattening and finishing feeds .....	28,365	345	28,710	2,350,508
(f) Turkey feeds .....	98,239	186	98,425	9,138,779
(g) Other poultry feeds .....	21,360	—	21,360	1,772,194
Total complete feeds .....	1,684,502	20,476	1,704,978	134,188,625
<b>Other feeds:</b>				
Mineral mixtures .....	8,146	16	8,162	822,361
Dog and cat foods:				
(a) Canned .....	37,227	1,298	38,525	6,584,488
(b) Biscuits .....	3,549	—	3,549	752,123
(c) Other (meals, etc.) .....	1	1	8,131	1,444,334
Fox biscuits .....	1,152	2,621	3,773	491,757
Other fox feeds .....				
Mink feeds .....	4,908	1,458	6,366	828,816
Rabbit feeds .....	2,924	—	2,924	248,292
Goat feeds .....	128	—	128	11,107
Feeds for other animals .....	13,429	1,633	6,915	747,645
Scratch feeds .....	95,413	1,033	96,446	6,703,783
Hominy feed .....	37	—	37	2,430
Chopped, ground or crushed grain feed:				
Total .....	505,677	26,900	532,577	30,703,705
(a) Wheat .....	55,474	—	55,474	3,538,195
(b) Oats .....	183,004	—	183,004	10,406,351
(c) Barley .....	124,167	—	124,167	7,031,373
(d) Corn .....	23,252	—	23,252	1,584,274
(e) Mixed .....	87,155	26,900	114,055	8,672,198
(f) Other .....	32,625	—	32,625	1,471,314
<b>Other products:</b>				
Stock and poultry tonics .....	value only	—	value only	658,102
Veterinary medicines .....	" "	—	" "	33,482
Alfalfa meal: dehydrated .....	26,323	—	26,323	1,689,005
sundried .....	13,414	—	13,414	454,902
Cereal and legume grass meal .....	10,877	—	10,877	982,933
Cereal products for human consumption .....	7,286	—	7,286	811,159
All other products .....	7,923	—	7,923	1,042,229
Total .....	2,682,152	55,466	2,737,618	217,197,793

1. Included in Feeds for Other Animals.

TABLE 10. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1954 - Continued

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling Value at plant \$
<b>MARITIME PROVINCES</b>				
<b>Concentrates:</b>				
Calf concentrates .....	95	—	95	10,372
Dairy and cattle concentrates .....	2,988	—	2,988	251,133
Swine concentrates .....	2,579	—	2,579	277,944
Poultry concentrates:				
<b>Total</b> .....	<b>3,592</b>	<b>—</b>	<b>3,592</b>	<b>418,026</b>
(a) Chick starter concentrates .....	417	—	417	53,218
(b) Broiler concentrates .....	25	—	25	3,999
(c) Growing concentrates .....	726	—	726	82,820
(d) Laying and hatching concentrates .....	2,181	—	2,181	250,080
(e) Fattening and finishing concentrates .....	76	—	76	8,865
(f) Turkey concentrates .....	67	—	67	8,404
(g) Other poultry concentrates .....	100	—	100	10,640
Concentrates, n.e.s. ....	—	—	—	—
<b>Total concentrates</b> .....	<b>9,254</b>	<b>—</b>	<b>9,254</b>	<b>957,475</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	857	—	857	81,454
Dairy and cattle feeds .....	36,193	—	36,193	2,435,938
Swine feeds .....	26,897	—	26,897	1,912,225
Poultry feeds:				
<b>Total</b> .....	<b>53,386</b>	<b>—</b>	<b>53,386</b>	<b>4,417,999</b>
(a) Chick starter feeds .....	5,009	—	5,009	471,051
(b) Broiler feeds .....	473	—	473	55,189
(c) Growing feeds .....	13,839	—	13,839	1,082,944
(d) Laying and hatching feeds .....	31,706	—	31,706	2,606,924
(e) Fattening and finishing feeds .....	1,024	—	1,024	89,134
(f) Turkey feeds .....	534	—	534	51,384
(g) Other poultry feeds .....	801	—	801	61,373
<b>Total complete feeds</b> .....	<b>117,333</b>	<b>—</b>	<b>117,333</b>	<b>8,847,616</b>
<b>Other feeds:</b>				
Mineral mixtures .....	197	—	197	30,825
Dog and cat foods:				
(a) Canned .....	—	—	—	—
(b) Biscuits .....	—	—	—	—
(c) Other (meals, etc) .....	1	—	1	1
Fox biscuits .....	—	—	—	—
Other fox feeds .....	1	—	1	1
Mink feeds .....	1	—	1	1
Rabbit feeds .....	—	—	—	—
Goat feeds .....	—	—	—	—
Feeds for other animals .....	725	—	725	52,661
Scratch feeds .....	18,187	—	18,187	1,268,724
Hominy feed .....	—	—	—	—
Chopped, ground or crushed grain feed:				
<b>Total</b> .....	<b>20,900</b>	<b>—</b>	<b>20,900</b>	<b>1,326,037</b>
(a) Wheat .....	2,158	—	2,158	136,456
(b) Oats .....	8,230	—	8,230	509,538
(c) Barley .....	7,134	—	7,134	429,053
(d) Corn .....	1,530	—	1,530	122,790
(e) Mixed .....	1,832	—	1,832	126,998
(f) Other .....	16	—	16	1,202
<b>Other products:</b>				
Stock and poultry tonics .....	Value Only	—	Value Only	—
Veterinary medicines .....	" "	—	" "	—
Alfalfa meal: dehydrated .....	2	—	2	2
sundried .....	2	—	2	2
Cereal and legume grass meal .....	2	—	2	2
Cereal products for human consumption .....	2	—	2	2
All other products .....	557	—	557	37,123
<b>Total</b> .....	<b>167,153</b>	<b>—</b>	<b>167,153</b>	<b>12,520,461</b>

1. Included in Feeds for other animals.
2. Included in all other products.



TABLE 10. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1954 - Continued

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling Value at Plant \$
<b>QUEBEC</b>				
<b>Concentrates:</b>				
Calf concentrates .....	710	—	710	80,432
Dairy and cattle concentrates .....	18,347	—	18,347	1,609,500
Swine concentrates .....	23,889	—	23,889	2,718,633
Poultry concentrates:				
<b>Total</b> .....	<b>34,681</b>	<b>—</b>	<b>34,681</b>	<b>4,149,544</b>
(a) Chick starter concentrates .....	4,155	—	4,155	536,380
(b) Broiler concentrates .....	2,931	—	2,931	427,942
(c) Growing concentrates .....	8,331	—	8,331	988,844
(d) Laying and hatching concentrates .....	16,364	—	16,364	1,863,655
(e) Fattening and finishing concentrates .....	393	—	393	47,464
(f) Turkey concentrates .....	2,390	—	2,390	273,209
(g) Other poultry concentrates .....	117	—	117	12,050
Concentrates, n.e.s. ....	—	—	—	—
<b>Total concentrates</b> .....	<b>77,627</b>	<b>—</b>	<b>77,627</b>	<b>8,558,109</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	8,110	—	8,110	763,022
Dairy and cattle feeds .....	132,086	—	132,086	9,074,519
Swine feeds .....	214,063	—	214,063	15,380,938
Poultry feeds:				
<b>Total</b> .....	<b>258,403</b>	<b>—</b>	<b>258,403</b>	<b>22,307,576</b>
(a) Chick starter feeds .....	38,977	—	38,977	3,504,899
(b) Broiler feeds .....	21,773	—	21,773	2,093,280
(c) Growing feeds .....	50,966	—	50,966	4,319,583
(d) Laying and hatching feeds .....	100,104	—	100,104	8,253,845
(e) Fattening and finishing feeds .....	8,780	—	8,780	715,861
(f) Turkey feeds .....	31,475	—	31,475	2,914,522
(g) Other poultry feeds .....	6,328	—	6,328	505,545
<b>Total complete feeds</b> .....	<b>612,662</b>	<b>—</b>	<b>612,662</b>	<b>47,526,055</b>
<b>Other feeds:</b>				
Mineral mixtures .....	2,793	—	2,793	265,833
Dog and cat foods:				
(a) Canned .....	1	1	1	1
(b) Biscuits .....	1	—	1	1
(c) Other (meals, etc.) .....	1	—	1	1
Fox biscuits .....	—	—	—	—
Other fox feeds .....	1	1	1	1
Mink feeds .....	1	—	1	1
Rabbit feeds .....	1,253	—	1,253	108,669
Goat feeds .....	1	—	1	1
Feeds for other animals .....	3	3	1,249	170,195
Scratch feeds .....	31,105	—	31,105	2,219,410
Hominy feed .....	—	—	—	—
<b>Total</b> .....	<b>3</b>	<b>3</b>	<b>174,661</b>	<b>10,381,917</b>
(a) Wheat .....	20,373	—	20,373	1,286,837
(b) Oats .....	50,471	—	50,471	2,986,003
(c) Barley .....	65,189	—	65,189	3,638,073
(d) Corn .....	6,885	—	6,885	460,468
(e) Mixed .....	3	3	21,716	1,371,017
(f) Other .....	10,027	—	10,027	639,519
<b>Other products:</b>				
Stock and poultry tonics .....	Value Only	—	Value Only	9,585
Veterinary medicines .....	" "	—	" "	15,141
Alfalfa meal: dehydrated .....	461	—	461	30,653
sundried .....	2	—	2	2
Cereal and legume grass meal .....	2	—	2	2
Cereal products for human consumption .....	1,213	—	1,213	125,516
All other products .....	4,002	—	4,002	253,206
<b>Total</b> .....	<b>904,941</b>	<b>2,085</b>	<b>907,026</b>	<b>69,664,289</b>

1. Included in feeds for other animals.

2. Included in all other products.

3. Included in Total, Columns 3 and 4.

TABLE 10. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1954 - Continued

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling Value at Plant \$
<b>ONTARIO</b>				
<b>Concentrates:</b>				
Calf concentrates .....	839	—	839	86,821
Dairy and cattle concentrates .....	28,361	—	28,361	2,478,296
Swine concentrates .....	43,298	—	43,298	4,739,543
Poultry concentrates:				
<b>Total</b> .....	<b>60,382</b>	<b>—</b>	<b>60,382</b>	<b>7,068,679</b>
(a) Chick starter concentrates .....	3,107	—	3,107	412,017
(b) Broiler concentrates .....	6,697	—	6,697	993,801
(c) Growing concentrates .....	13,971	—	13,971	1,523,579
(d) Laying and hatching concentrates .....	34,329	—	34,329	3,862,437
(e) Fattening and finishing concentrates .....	162	—	162	17,365
(f) Turkey concentrates .....	778	—	778	103,022
(g) Other poultry concentrates .....	1,338	—	1,338	156,458
Concentrates, n.e.s. ....	40	—	40	4,000
<b>Total concentrates</b> .....	<b>132,920</b>	<b>—</b>	<b>132,920</b>	<b>14,377,339</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	13,357	150	13,507	1,333,220
Dairy and cattle feeds .....	85,644	1,343	86,987	6,221,816
Swine feeds .....	172,093	8,946	181,039	12,955,458
Poultry feeds:				
<b>Total</b> .....	<b>427,182</b>	<b>7,327</b>	<b>434,509</b>	<b>37,177,794</b>
(a) Chicks starter feeds .....	41,896	626	42,522	3,829,320
(b) Broiler feeds .....	61,885	—	61,885	5,924,896
(c) Growing feeds .....	84,825	1,769	86,594	6,878,259
(d) Laying and hatching feeds .....	168,521	4,642	173,163	14,185,872
(e) Fattening and finishing feeds .....	15,824	243	16,067	1,315,343
(f) Turkey feeds .....	44,899	47	44,946	4,210,505
(g) Other poultry feeds .....	9,332	—	9,332	833,599
<b>Total complete feeds</b> .....	<b>698,276</b>	<b>17,766</b>	<b>716,042</b>	<b>57,688,288</b>
<b>Other feeds:</b>				
Mineral mixtures .....	3,250	—	3,250	361,760
Dog and cat foods:				
(a) Canned .....	1	1	24,184	3,908,047
(b) Biscuits .....	2,757	—	2,757	554,181
(c) Other (meals, etc.) .....	1	1	5,735	1,125,691
Fox biscuits .....	761	—	761	86,246
Other fox feeds .....	—	—	—	—
Mink feeds .....	2,118	—	2,118	257,883
Rabbit feeds .....	903	—	903	76,402
Goat feeds .....	—	—	—	—
Feeds for other animals .....	31,451	2,335	3,867	497,130
Scratch feeds .....	35,678	1,014	36,692	2,477,503
Hominy feed .....	2	—	2	2
Chopped, ground or crushed grain feed:				
<b>Total</b> .....	<b>216,427</b>	<b>17,538</b>	<b>233,965</b>	<b>13,287,598</b>
(a) Wheat .....	19,097	—	19,097	1,271,785
(b) Oats .....	82,974	—	82,974	4,523,383
(c) Barley .....	33,057	—	33,057	1,912,289
(d) Corn .....	11,645	—	11,645	749,878
(e) Mixed .....	57,853	17,538	75,391	4,363,732
(f) Other .....	11,801	—	11,801	466,531
<b>Other products:</b>				
Stocks and poultry tonics .....	Value Only	—	Value Only	647,317
Veterinary medicines .....	" "	—	" "	16,341
Alfalfa meal: dehydrated .....	22,127	—	22,127	1,389,876
sundried .....	9,211	—	9,211	309,012
Cereal and legume grass meal .....	—	—	—	—
Cereal products for human consumption .....	3,323	—	3,323	401,060
All other products .....	3,839	—	3,839	648,158
<b>Total</b> .....	<b>1,163,041</b>	<b>38,653</b>	<b>1,201,694</b>	<b>98,111,832</b>

1. Included in feeds for other animals.
2. Included in all other products.

TABLE 10. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1954 - Continued

Products	Made in feeds industries	Made in other industries	Total shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling value at plant \$
<b>Prairie Provinces</b>				
<b>Concentrates:</b>				
Calf concentrates .....	137	—	137	16,525
Dairy and cattle concentrates .....	3,528	—	3,528	332,043
Swine concentrates .....	11,186	—	11,186	1,100,152
Poultry concentrates:				
<b>Total</b> .....	<b>24,127</b>	<b>—</b>	<b>24,127</b>	<b>2,583,694</b>
(a) Chick starter concentrates .....	697	—	697	87,311
(b) Broiler concentrates .....	463	—	463	63,776
(c) Growing concentrates .....	3,742	—	3,742	387,784
(d) Laying and hatching concentrates .....	14,608	—	14,608	1,522,784
(e) Fattening and finishing concentrates .....	110	—	110	11,271
(f) Turkey concentrates .....	3,261	—	3,261	365,333
(g) Other poultry concentrates .....	1,246	—	1,246	145,508
Concentrates, n.e.s. ....	—	47	47	5,549
<b>Total concentrates</b> .....	<b>38,978</b>	<b>47</b>	<b>39,025</b>	<b>4,037,983</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	2,950	65	3,015	267,244
Dairy and cattle feeds .....	15,261	739	16,000	998,263
Swine feeds .....	14,774	180	14,954	1,035,782
Poultry feeds:				
<b>Total</b> .....	<b>74,498</b>	<b>1,620</b>	<b>76,118</b>	<b>6,203,049</b>
(a) Chick starter feeds .....	21,456	241	21,697	1,826,167
(b) Broiler feeds .....	3,844	—	3,844	350,601
(c) Growing feeds .....	10,304	329	10,633	792,106
(d) Laying and hatching feeds .....	23,273	810	24,083	1,832,739
(e) Fattening and finishing feeds .....	885	102	987	76,555
(f) Turkey feeds .....	11,968	138	12,106	1,121,669
(g) Other poultry feeds .....	2,768	—	2,768	203,212
<b>Total complete feeds</b> .....	<b>107,483</b>	<b>2,604</b>	<b>110,087</b>	<b>8,504,318</b>
<b>Other feeds:</b>				
Mineral mixtures .....	1,814	1	1,814	152,484
Dog and cat foods:				
(a) Canned .....	1	1	1	998,217
(b) Biscuits .....	1	1	1	998,217
(c) Other (meals, etc.) .....	1	1	1	998,217
Fox biscuits .....	22	2,619	2,641	364,089
Other fox feeds .....	22	2,619	2,641	364,089
Mink feeds .....	2,117	1,458	3,575	495,492
Rabbit feeds .....	1	—	1	1
Goat feeds .....	1	—	1	1
Feeds for other animals .....	6,250	171	6,421	61,451
Scratch feeds .....	6,139	6	6,145	392,308
Hominy feed .....	2	—	2	2
Chopped, ground or crushed grain feed:				
<b>Total</b> .....	<b>62,949</b>	<b>7,390</b>	<b>70,339</b>	<b>3,625,554</b>
(a) Wheat .....	8,333	—	8,333	462,823
(b) Oats .....	26,991	—	26,991	1,489,737
(c) Barley .....	8,884	—	8,884	480,082
(d) Corn .....	1,036	—	1,036	66,707
(e) Mixed .....	7,103	7,390	14,493	775,371
(f) Other .....	10,602	—	10,602	350,834
<b>Other products:</b>				
Stock and poultry tonics .....	Value only	—	Value only	1,200
Veterinary medicines .....	" "	—	" "	—
Alfalfa meal; dehydrated .....	3,732	—	3,732	268,341
sundried .....	2	—	2	2
Cereal and legume grass meal .....	2	—	2	2
Cereal products for human consumption .....	2,578	—	2,578	272,109
All other products .....	5,496	—	5,496	376,123
<b>Total</b> .....	<b>237,518</b>	<b>14,295</b>	<b>251,813</b>	<b>19,549,669</b>

1. Included in feeds for other animals.  
2. Included in all other products.



TABLE 10. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1954 - Concluded

Products	Made in feeds industries	Made in other industries	Total shipments	
	Quantity	Quantity	Quantity	Selling value at plant
	tons	tons	tons	\$
<b>BRITISH COLUMBIA</b>				
<b>Concentrates:</b>				
Calf concentrates.....	3	—	3	3
Dairy and cattle concentrates .....	175	—	175	18,500
Swine concentrates .....	3	—	3	3
<b>Poultry concentrates:</b>				
<b>Total</b> .....	3	—	3	3
(a) Chick starter concentrates .....	3	—	3	3
(b) Broiler concentrates .....	—	—	—	—
(c) Growing concentrates .....	3	—	3	3
(d) Laying and hatching concentrates.....	3	—	3	3
(e) Fattening and finishing concentrates .....	—	—	—	—
(f) Turkey concentrates.....	3	—	3	3
(g) Other poultry concentrates .....	—	—	—	—
Concentrates n.e.s. ....	—	—	—	—
<b>Total concentrates</b> .....	<b>458</b>	<b>—</b>	<b>458</b>	<b>65,609</b>
<b>Secondary or complete feeds:</b>				
Calf feeds .....	618	—	618	70,772
Dairy and cattle feeds.....	55,827	—	55,827	3,799,951
Swine feeds .....	4,326	—	4,326	320,629
<b>Poultry feeds:</b>				
<b>Total</b> .....	<b>87,977</b>	<b>—</b>	<b>87,977</b>	<b>7,430,996</b>
(a) Chick starter feeds .....	3,743	—	3,743	343,416
(b) Broiler feeds.....	8,652	—	8,652	885,806
(c) Growing feeds.....	12,692	—	12,692	996,988
(d) Laying and hatching feeds .....	49,544	—	49,544	4,041,998
(e) Fattening and finishing feeds .....	1,852	—	1,852	153,615
(f) Turkey feeds .....	9,363	—	9,363	840,699
(g) Other poultry feeds .....	2,131	—	2,131	168,474
<b>Total complete feeds</b> .....	<b>148,748</b>	<b>—</b>	<b>148,748</b>	<b>11,622,348</b>
<b>Other feeds:</b>				
Mineral mixtures.....	92	—	92	10,709
<b>Dog and cat foods:</b>				
(a) Canned.....	9,386	—	9,386	1,768,126
(b) Biscuits.....	1	—	1	1
(c) Other (meals, etc.).....	1,436	—	1,436	186,929
Fox biscuits .....	—	—	—	—
Other fox feeds.....	1	—	1	1
Mink feeds.....	156	—	156	17,695
Rabbit feeds .....	390	—	390	34,234
Goat feeds.....	116	—	116	9,981
Feeds for other animals .....	1,078	298	1,376	242,353
Scratch feeds .....	4,304	—	4,304	344,943
Hominy feed .....	2	—	2	2
<b>Chopped, ground or crushed grain feed:</b>				
<b>Total</b> .....	<b>4</b>	<b>4</b>	<b>32,696</b>	<b>2,082,599</b>
(a) Wheat .....	5,513	—	5,513	380,294
(b) Oats .....	14,338	—	14,338	897,690
(c) Barley .....	9,903	—	9,903	571,876
(d) Corn .....	2,156	—	2,156	184,431
(e) Mixed .....	4	4	607	35,080
(f) Other.....	179	—	179	13,228
<b>Other products:</b>				
Stock and poultry tonics .....	—	—	—	—
Veterinary medicines.....	—	—	—	—
Alfalfa meal: dehydrated.....	—	—	—	—
sundried.....	2	—	2	2
Cereal and legume grass meal .....	10,503	—	10,503	962,122
Cereal products for human consumption .....	2	—	2	2
All other products .....	96	135	231	3,934
<b>Total</b> .....	<b>209,459</b>	<b>433</b>	<b>209,892</b>	<b>17,351,342</b>

1. Included in feeds for other animals.
2. Included in other products.
3. Included in total concentrates.
4. Included in total, columns 3 and 4.

TABLE 11. Materials Used in the Feeds Industry, 1953 and 1954

Principal materials <sup>1</sup>	1953		1954	
	Quantity	Cost at plant	Quantity	Cost at plant
	tons	\$	tons	\$
Wheat .....	315,091	18,742,548	336,497	19,468,147
Oats .....	525,135	25,869,619	520,122	26,448,174
Corn .....	137,855	8,613,143	151,973	9,213,146
Barley .....	361,992	18,642,584	438,945	22,407,493
Buckwheat .....	4,381	215,754	3,112	164,456
Mixed grains .....	13,492	675,126	24,747	1,172,602
Other grains, all kinds .....	20,708	1,049,768	20,435	1,009,392
Screenings .....	89,145	3,365,727	82,657	3,205,660
Wheat flour (feed etc.) .....	11,461	677,138	11,905	772,573
Bran, shorts, and middlings .....	278,227	14,586,676	283,888	14,355,468
Oatmeal, oat middlings, oat groats .....	8,577	606,860	12,455	849,606
Wheat germ .....	2,944	214,635	2,873	234,436
Corn (grits, meal, cracked and germ) .....	4,339	316,300	4,275	315,112
Hominy feed .....	11,541	712,575	8,581	499,410
Gluten feed .....	16,631	1,076,399	17,906	1,182,099
Cereal feed .....	2,651	217,080	2,497	180,179
Cottonseed oil cake and meal .....	1,765	168,467	4,529	376,333
Cocoonut or copra oil cake and meal .....	2,520	120,794	2,721	169,012
Linseed oil cake and meal .....	31,108	2,504,066	33,649	2,765,326
Peanut oil cake and meal .....	860	71,707	620	24,942
Soybean oil cake and meal .....	160,885	13,637,554	176,182	15,523,571
Oil cake meals, not specified .....	3,006	195,044	6,659	451,887
Alfalfa hay .....	33,478	659,870	38,327	914,052
Alfalfa meal (dehydrated and sundried) .....	39,290	2,085,540	44,948	2,481,777
Cereal and legume grasses .....	11,901	476,095	12,876	531,486
Cereal grass meal .....	13,193	1,278,515	13,433	1,236,551
Fish meal .....	21,413	3,194,270	27,727	4,165,713
Cod liver meal .....	1,263	258,758	647	122,983
Fish oils, all kinds .....	2,185	849,266	3,055	1,155,444
Blood meal .....	2,353	230,473	2,945	332,232
Bone meal .....	5,710	392,661	6,006	421,970
Bone char .....	216	10,685	1,019	49,020
Lung and liver meal .....	1,109	120,155	4,669	483,156
Meat meal .....	33,312	3,293,751	34,880	3,430,498
Meat scraps (cracklings) .....	34,801	3,019,396	36,107	3,508,786
Raw meat (horse, etc.) .....	5,334	776,886	7,377	754,723
Tankage .....	4,891	385,208	4,350	388,743
Milk, buttermilk, whey, etc., powdered .....	6,256	847,062	8,529	1,110,697
Molasses .....	33,543	1,364,218	38,296	1,478,659
Beet pulp .....	4,322	272,837	5,778	374,868
Oyster and clam shell .....	3,075	95,711	4,115	110,301
Limestone (calcium carbonate) .....	25,354	220,359	27,407	292,316
Grit and gravel .....	1,236	22,269	1,303	26,423
Salt .....	18,243	427,212	21,081	535,255
Antibiotics .....	970	1,613,271	1,199	1,371,376
Chemicals, minerals, etc. ....	1,476	414,431	1,800	639,708
Mixed concentrates and supplements:				
(a) Calf .....	115,370	12,235,127	1,473	168,662
(b) Dairy and cattle .....			20,453	2,253,673
(c) Swine .....			42,749	4,561,177
(d) Poultry .....			53,498	6,006,748
Mineral mixtures .....	1,358	101,602	2,426	251,377
Rock phosphate .....	15,996	765,855	19,582	1,067,891
Vitamins and vitamin compounds .....	3,722	1,217,363	3,916	1,273,815
Urea .....	1,315	241,092	2,258	386,868
Brewers' and distillers' grains .....	15,197	948,467	18,558	1,091,032
Malt sprouts .....	5,390	260,836	5,059	243,263
Rice meal and rice feed .....	2,467	98,931	1,099	49,788
Yeast .....	796	182,360	999	239,255
Seeds (clover, sunflower, millet, etc.) .....	1,383	212,929	1,457	252,537
Containers and packaging material .....	—	6,290,232	131	7,541,482
All other materials .....	9,988	841,505	7,534	708,056
<b>Total .....</b>	<b>2,482,220</b>	<b>157,984,762</b>	<b>2,676,494</b>	<b>172,798,487</b>

1. Does not include grains for custom chopping.

TABLE 12. Employees and their Earnings, by Provinces, 1953 and 1954

	Average number					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total <sup>1</sup>
	Male	Female	Male	Female				
	No.	No.	No.	No.				
1953								
Prince Edward Island .....	19	5	45	3	72	44,454	74,539	118,993
Nova Scotia .....	27	4	64	1	96	84,368	105,937	190,305
New Brunswick .....	36	12	134	—	182	107,530	282,487	390,017
Quebec .....	467	119	1,219	18	1,823	1,236,553	2,573,791	3,810,344
Ontario .....	982	244	2,406	87	3,719	2,717,037	5,636,054	8,353,091
Manitoba .....	66	8	172	12	258	192,571	429,531	622,102
Saskatchewan .....	17	11	50	3	81	66,172	119,318	185,490
Alberta .....	109	8	189	4	310	253,471	465,933	719,404
British Columbia .....	124	77	449	42	692	670,757	1,137,768	1,808,525
Canada .....	1,847	488	4,728	170	7,233	5,372,913	10,825,358	16,198,271
1954								
Prince Edward Island .....	20	5	48	3	76	45,624	81,604	127,228
Nova Scotia .....	22	4	70	1	97	72,631	121,925	194,556
New Brunswick .....	40	12	141	2	195	123,431	325,478	448,909
Quebec .....	530	118	1,405	21	2,074	1,469,828	3,132,898	4,602,726
Ontario .....	1,008	277	2,565	101	3,951	2,974,786	6,040,524	9,015,310
Manitoba .....	67	6	173	13	259	198,682	424,571	623,253
Saskatchewan .....	21	10	53	—	84	68,034	136,969	205,003
Alberta .....	93	11	207	7	318	222,451	537,168	759,619
British Columbia .....	127	77	491	39	734	657,056	1,459,753	2,116,809
Canada .....	1,928	520	5,153	187	7,788	5,832,523	12,260,890	18,093,413

TABLE 13. Production Workers, by Months, 1953 and 1954

Months	1953			1954		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January .....	4,616	159	4,775	4,832	188	5,020
February .....	4,567	166	4,733	4,909	186	5,095
March .....	4,626	158	4,784	5,029	181	5,210
April .....	4,717	162	4,879	5,136	174	5,310
May .....	4,719	168	4,887	5,278	182	5,460
June .....	4,867	166	5,033	5,298	176	5,474
July .....	4,892	169	5,061	5,308	183	5,491
August .....	4,907	167	5,074	5,294	176	5,470
September .....	4,843	172	5,015	5,279	194	5,473
October .....	4,728	183	4,911	5,231	217	5,448
November .....	4,623	186	4,809	5,084	205	5,289
December .....	4,517	143	4,660	4,946	180	5,126
<b>Monthly average .....</b>	<b>4,728</b>	<b>170</b>	<b>4,898</b>	<b>5,153</b>	<b>187</b>	<b>5,340</b>

TABLE 14. Exports of Feeds, 1953 and 1954

Articles exported	1953		1954	
	Quantity	Value	Quantity	Value
	tons	\$	tons	\$
Mixed feeds .....	10,096	847,013	13,563	1,073,211
Oil feed, ground .....	36,108	1,172,362	39,224	1,327,955
Polders, n.o.p. ....	48,183	2,933,905	56,504	3,092,726







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