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For earlier reports please see
the "Flour & feed milling industries and"
the "Prepared stock & poultry feeds industry"

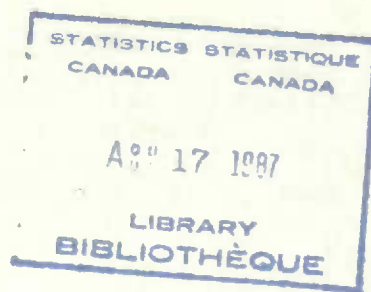
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CANADA



THE FEEDS INDUSTRY

1953



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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—Textiles
- VIII—Wood and Paper Products
- IX—Printing Trades
- X—Iron and Steel Products
- XI—Transportation Equipment
- XII—Non-ferrous Metal Products
- XIII—Electrical Apparatus and Supplies
- XIV—Non-metallic Mineral Products
- XV—Products of Petroleum and Coal
- XVI—Chemicals and Allied Products
- XVII—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, and Sausage and Sausage Casings 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¢
- I—The Biscuit Industry, 25¢
- J—The Bread and Other Bakery Products Industry, 25¢
- K—The Carbonated Beverages Industry, 25¢
- L—The Distilling Industry, 25¢
- M—The Brewing Industry, 25¢
- N—The Wine Industry, 25¢
- O—The Confectionery Industry, 25¢
- 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

1953

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 and Poultry Feed 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 3, 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 to 10.5 million of dollars occurred in 1953 when \$195,784,881 was reported.

The present report covers 1,297 establishments, a decrease of 20 plants from those in 1952. Employment decreased in 1953 to 7,233 male and female employees from 7,441 employees in the previous year. Although the number of employees decreased, salaries and wages paid increased approximately \$500,000 to a total of \$16,198,271 in 1953. At the same time, the cost of raw materials decreased from \$169,325,153 in 1952 to \$157,984,762 in 1953.

The number of operating firms are 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 Table 5, while chopped grains from other industries are shown in the footnote to Table 3.

Concentrated feeds produced in 1953 totalled 229,956 tons compared with 217,689 tons in 1952, and complete livestock feeds were 1,572,822 tons in 1953, and 1,622,679 tons in 1952.

In 1953 statistics on Power Equipment and consumption of fuel by type were collected for the first time since 1948. Comparable figures for these two years are shown in Tables 12 and 13.

TABLE 1(a). Principal Statistics of the Feeds Industry, 1930-1953¹

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

	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments ²
	No.	No.	\$	\$	\$
Canada:					
1930.....	912	1,471	1,093,824	4,705,848	7,354,396
1931.....	931	1,580	1,200,194	3,558,625	6,258,499
1932.....	933	1,686	1,148,961	3,511,842	5,947,288
1933.....	959	1,839	1,294,968	4,198,393	6,624,267
1934.....	921	1,884	1,272,835	5,348,816	7,769,212
1935.....	842	1,991	1,523,373	6,544,296	9,647,844
1936.....	849	2,077	1,670,515	9,742,888	13,714,356
1937.....	847	2,252	1,879,683	12,831,691	17,277,127
1938.....	883	2,509	2,181,866	11,753,063	16,200,981
1939.....	868	2,669	2,466,615	11,945,321	17,030,455
1940.....	863	2,872	2,662,314	14,131,612	20,200,796
1941.....	962	3,175	3,110,737	20,560,449	27,543,947
1942.....	1,021	3,624	3,864,611	27,091,515	35,421,713
1943.....	1,009	4,057	4,908,850	44,431,945	55,595,776
1944.....	1,069	5,067	6,747,543	66,724,862	81,327,788
1945.....	1,050	5,344	7,256,118	71,156,406	87,386,512
1946.....	1,025	5,995	8,421,638	85,495,809	104,806,858
1947.....	1,072	6,501	10,129,300	124,330,806	149,678,978
1948.....	1,072	6,114	10,645,531	134,177,721	158,515,778
1949.....	1,199	6,905	12,828,184	142,682,199	171,849,750
1950.....	1,253	6,644	12,536,754	147,842,755	178,901,639
1951.....	1,311	6,999	14,312,780	164,376,991	198,970,058
1952					
Prince Edward Island.....	17	72	120,891	1,277,092	1,596,456
Nova Scotia.....	13	96	172,078	2,764,066	3,280,376
New Brunswick.....	23	198	406,426	5,891,074	6,605,381
Quebec.....	336	1,829	3,653,492	56,076,737	65,294,973
Ontario.....	738	3,783	7,876,210	77,807,896	96,446,901
Manitoba.....	47	291	650,395	6,109,201	7,493,809
Saskatchewan.....	16	97	212,056	2,044,948	2,528,362
Alberta.....	82	363	794,969	5,943,883	7,907,855
British Columbia.....	45	712	1,817,004	11,410,256	14,963,005
Canada.....	1,317	7,441	15,703,521	169,325,153	206,117,118
1953					
Prince Edward Island.....	17	72	118,993	1,191,454	1,435,648
Nova Scotia.....	13	96	190,305	3,194,315	3,727,126
New Brunswick.....	22	182	390,017	5,341,838	6,254,149
Quebec.....	333	1,823	3,810,344	50,135,536	60,080,477
Ontario.....	728	3,719	8,353,091	74,607,982	93,165,750
Manitoba.....	46	258	622,102	5,584,145	7,118,080
Saskatchewan.....	15	81	185,490	1,136,658	1,765,641
Alberta.....	80	310	719,404	5,454,113	7,314,775
British Columbia.....	43	692	1,808,525	11,138,721	14,923,225
Canada.....	1,297	7,233	16,198,271	157,984,762	195,784,881

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. 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, 1930-1933¹
(Included in Table 1(a)).

	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments ²
	No.	No.	\$	\$	\$
1930.....	894	1,250	793,889	2,766,545	4,282,478
1931.....	893	1,261	755,501	1,758,783	3,347,584
1932.....	896	1,261	664,024	1,523,692	2,809,060
1933.....	915	1,317	685,448	1,946,878	3,112,806
1934.....	875	1,370	691,321	2,325,100	3,549,078
1935.....	743	1,210	685,828	1,809,737	3,015,873
1936.....	755	1,269	757,035	2,727,883	4,077,644
1937.....	751	1,334	808,441	3,382,728	4,827,292
1938.....	752	1,324	828,985	2,815,644	4,209,391
1939.....	747	1,358	894,126	2,842,979	4,365,212
1940.....	748	1,491	998,623	3,891,015	5,879,449
1941.....	844	1,643	1,172,298	5,394,742	7,774,712
1942.....	894	1,731	1,318,368	5,856,197	8,670,388
1943.....	871	1,826	1,574,122	11,389,956	15,001,073
1944.....	863	1,828	1,586,814	10,912,750	13,830,636
1945.....	828	1,858	1,692,362	13,242,117	17,135,773
1946.....	790	2,024	2,013,312	16,846,583	21,212,681
1947.....	787	2,065	2,228,098	23,946,764	29,125,938
1948.....	754	1,790	2,173,061	23,227,218	27,569,048
1949.....	714	1,549	1,938,647	17,036,559	20,379,399
1950.....	685	1,453	1,891,370	19,329,411	23,576,765
1951.....	663	1,494	2,132,923	19,759,811	24,460,263
1952.....	646	1,503	2,311,169	20,523,365	25,036,386
1953.....	643	1,473	2,336,382	20,156,743	25,351,198

1. See footnote 1, table 1(a).

2. See footnote 2, table 1(a).

TABLE 1(c). Principal Statistics of Firms classified as Manufacturers of Prepared Feeds, 1930-1933¹
(Included in Table 1(a)).

	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments ²
	No.	No.	\$	\$	\$
1930.....	18	221	299,935	1,939,303	3,071,918
1931.....	38	319	444,693	1,799,842	2,910,915
1932.....	37	425	484,937	1,988,150	3,138,228
1933.....	44	522	609,520	2,251,515	3,511,461
1934.....	46	514	581,514	3,023,716	4,220,134
1935.....	99	781	837,545	4,734,559	6,631,971
1936.....	94	808	913,480	7,015,005	9,636,712
1937.....	96	918	1,071,242	9,448,963	12,449,835
1938.....	131	1,185	1,352,881	8,937,419	11,991,590
1939.....	121	1,311	1,572,489	9,102,342	12,665,243
1940.....	115	1,381	1,663,691	10,240,597	14,321,347
1941.....	118	1,532	1,938,439	15,165,707	19,769,235
1942.....	127	1,893	2,546,243	21,235,318	26,751,325
1943.....	138	2,231	3,334,728	33,041,989	40,594,703
1944.....	206	3,239	5,160,729	55,812,112	67,497,152
1945.....	222	3,486	5,563,756	57,914,289	70,250,739
1946.....	235	3,971	6,408,326	68,649,226	83,594,177
1947.....	285	4,436	7,901,202	100,384,042	120,553,040
1948.....	318	4,324	8,472,470	110,950,503	130,946,727
1949.....	485	5,356	10,889,537	125,645,640	151,470,360
1950.....	568	5,191	10,645,384	128,513,344	155,324,874
1951.....	648	5,505	12,179,857	144,617,180	174,509,795
1952.....	671	5,938	13,392,352	148,801,788	181,080,732
1953.....	654	5,760	13,861,889	137,828,019	170,433,683

1. See footnote 1, table 1(a).

2. See footnote 2, table 1(a).

TABLE 2. Factory Shipments, 1952 and 1953

Products	1952		1953	
	Quantity	Selling value	Quantity	Selling value
	tons	\$	tons	\$
Concentrates:				
Calf concentrates	not collected		1,603	169,255
Dairy and cattle concentrates	48,374	4,473,667	57,858	4,856,728
Swine concentrates	82,060	9,039,234	66,823	6,763,904
Poultry concentrates, total	85,801	9,989,437	103,672	11,395,411
(a) Chick starter concentrates			8,112	996,761
(b) Broiler concentrates			9,742	1,358,102
(c) Growing concentrates			20,060	2,062,150
(d) Laying and hatching concentrates			57,854	6,090,594
(e) Fattening and finishing concentrates			1,111	132,328
(f) Turkey concentrates			5,110	588,444
(g) Other poultry concentrates			1,683	167,032
Other concentrates	1,454	149,833	—	—
Total concentrates	217,689	23,652,171	229,956	23,185,298
Secondary or complete feeds:				
Calf feeds	25,408	2,578,956	27,647	2,632,684
Dairy and cattle feeds	274,620	20,067,365	290,413	19,867,970
Swine feeds	545,886	41,015,611	427,545	30,322,735
Poultry feeds, total	758,701	66,638,178	827,217	69,737,460
(a) Chick starter feeds	111,761	10,627,397	101,507	9,023,947
(b) Broiler feeds			85,087	8,079,026
(c) Growing feeds	145,807	11,981,920	152,413	11,893,831
(d) Laying and hatching feeds	357,612	30,419,172	358,478	29,257,584
(e) Fattening and finishing feeds			18,030	1,429,405
(f) Turkey feeds	83,611	8,049,437	86,268	7,941,603
(g) Other poultry feeds	59,910	5,560,252	25,434	2,112,064
Other feeds	18,064	1,439,748	—	—
Total complete feeds	1,622,679	131,739,858	1,572,822	122,560,849
Other feeds:				
Mineral mixtures	8,230	724,992	6,870	602,482
Dog and cat foods:				
(a) Canned	35,705	6,023,220	35,690	6,150,965
(b) Biscuits	3,384	680,947	3,376	655,940
(c) Other (meals, etc.)	1	1	1	1
Fox biscuits	70	4,915	294	34,566
Other fox feeds	1,449	174,769	1,026	124,720
Mink feeds	5,227	608,114	4,835	574,987
Rabbit feeds	3,278	289,767	3,846	310,531
Goat feeds	161	13,066	139	11,446
Feeds for other animals	12,892	2,008,182	12,440	1,930,993
Scratch feeds	96,422	7,135,147	94,726	6,574,331
Hominy feed	—	—	54	3,396
Chopped, ground or crushed grain feed, total	414,779	25,528,967	463,746	26,079,895
(a) Wheat			46,877	3,036,327
(b) Oats			161,963	8,812,322
(c) Barley			95,077	5,319,261
(d) Corn			23,933	1,589,969
(e) Mixed			101,841	5,807,280
(f) Other			34,055	1,514,736
Other products:				
Stock and poultry tonics	—	667,103	—	647,989
Veterinary medicines	—	26,015	—	32,671
Alfalfa meal: dehydrated	22,693	1,481,668	20,235	1,256,075
sundried	18,749	617,082	11,741	442,364
Cereal grass meal	11,736	851,549	10,549	830,677
Legume grass meal	1,947	184,458	2,239	158,633
Cereal products for human consumption	3,132	369,706	4,453	487,459
All other products	7,244	1,067,757	8,188	968,440
Total, excluding custom work	2,487,466	203,849,453	2,487,225	193,624,713
Amount received for custom chopping ²	—	2,267,665	—	2,160,168
Total	—	206,117,118	—	195,784,881

1. Included in "Feeds for Other animals". For production from all industries see tables 6 and 7.

2. See table 3 for further details.

TABLE 3. Custom Chopping and Grinding in the Feeds Industry, 1952 and 1953
(Includes chopping mills and prepared feed mills)

	Wheat	Oats	Barley	Mixed Grains	Other Grains	Total	Amount received for custom work ¹
	tons						\$
1952²							
Canada.....	44,503	219,717	91,845	518,756	14,234	889,055	2,267,665
Prince Edward Island	225	999	948	3,462	20	5,654	21,632
Nova Scotia.....	8	2,153	217	627	4	3,009	9,461
New Brunswick.....	—	2,387	717	4,985	424	8,513	29,237
Quebec.....	18,743	79,775	32,147	42,775	2,549	175,989	543,521
Ontario.....	21,364	114,769	37,367	419,081	9,568	602,149	1,471,917
Manitoba.....	732	5,298	3,858	5,404	444	15,736	42,670
Saskatchewan.....	391	1,437	1,770	466	—	4,064	10,416
Alberta.....	2,952	11,108	14,504	41,637	1,225	71,426	131,885
British Columbia	88	1,791	317	319	—	2,515	6,926
1953²							
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

1. Included in the Selling Value of Factory Shipments.

2. Additional custom chopped grains—1952—Flour Mills—75,982 tons, custom charges \$171,574.

Saw Mills—33,574 tons, custom charges \$116,429.

1953—Flour Mills—59,783 tons, custom charges \$148,254.

—Saw Mills—not available at date of printing.

TABLE 4. Principal Statistics of the Feeds Industry, Grouped According to the Size of Establishments, 1952

Establishments having a production of	Establishments	Employees	Earnings	Cost at plant of materials used	Selling value of factory shipments
	No.	No.	\$	\$	\$
Under \$50,000.....	715	1,385	1,687,802	8,390,475	11,273,147
\$ 50,000 to 99,999	261	1,105	1,780,786	15,468,194	18,967,369
\$ 100,000 to 199,999	174	1,113	2,148,217	19,831,961	24,295,909
\$ 200,000 to 499,999	101	1,133	2,537,605	26,099,113	31,638,459
\$ 500,000 to 999,999	29	575	1,485,920	16,412,825	20,608,242
\$1,000,000 to 4,999,999	33	1,690	4,619,063	61,113,046	73,045,817
\$5,000,000 and over.....	4	431	1,419,237	22,009,539	26,288,175
Head Offices ¹	—	9	24,891	—	—
Total	1,317	7,441	15,703,521	169,325,153	206,117,118

1. Figures for 1953 were not available at date of printing.

TABLE 5. Capital and Repair Expenditures in the Feed Industries, 1949-1953
(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
1949	1,357	2,063	3,420	474	1,135	1,609	1,831	3,198	5,029
1950	1,546	2,200	3,746	576	1,389	1,965	2,122	3,589	5,711
1951	1,427	2,903	4,330	626	1,606	2,232	2,053	4,509	6,562
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

TABLE 6. Production of Feeds in all Industries, Canada, 1947-1952

Products ¹	1947		1948		1949	
	Quantity	Selling value at plant	Quantity	Selling value at plant	Quantity	Selling value at plant
	tons	\$	tons	\$	tons	\$
Prepared Stock and Poultry Feeds:						
Calf meals	21,807	1,657,934	18,524	1,650,900	21,890	2,043,572
Dairy and cattle feeds	334,825	17,162,525	312,698	19,325,331	302,360	19,088,256
Dairy and cattle concentrates	37,960	2,165,426	30,900	2,234,541	39,036	2,977,809
Horse feeds	3,676	204,595	3,915	246,937	3,515	223,921
Sheep feeds	—	—	12	750	92	5,184
Swine feeds	419,402	22,580,940	410,516	26,246,504	400,716	26,671,694
Swine concentrates	50,929	3,697,499	50,211	4,370,552	64,796	5,972,727
Poultry Feeds:						
Total	853,662	52,146,051	717,734	52,558,201	756,712	58,900,472
(a) Chick starter	91,930	6,228,368	71,166	5,852,043	80,044	6,740,156
(b) Growing mash	179,875	10,830,287	130,952	9,506,294	148,914	11,335,029
(c) Laying and hatching mash	443,037	27,245,493	393,888	28,875,895	339,976	26,452,479
(d) Other mash	43,651	2,808,708	34,769	2,675,710	44,908	3,671,141
(e) Scratch feed	95,169	5,033,195	86,959	5,648,259	101,050	7,010,446
(f) All turkey feeds	2	2	2	2	41,820	3,691,221
Poultry concentrates	69,568	5,882,236	65,608	6,304,900	73,422	7,550,226
Other mixed feeds	39,680	2,424,260	29,633	2,260,636	17,215	1,279,003
Other mixed concentrates	1,368	109,259	2,694	272,210	1,094	108,450
Mineral mixtures	6,894	470,398	6,358	429,869	6,583	470,457
Total	1,839,771	108,501,123	1,648,803	115,901,331	1,687,431	125,291,771
Other Animal Feeds:						
Fox biscuits	1,311	145,591	1,459	177,322	441	51,226
Dog biscuits	1,983	402,455	1,530	330,833	1,933	366,691
Canned foods for dogs and cats	7,049	1,567,586	13,274	2,419,526	19,590	3,783,526
Other fox feeds	7,888	814,656	4,924	523,408	3,571	369,182
Other dog feeds	6,721	939,994	7,500	1,255,854	7,888	1,381,154
Mink feeds	3,969	400,932	4,269	459,859	3,694	391,739
Rabbit feeds	1,746	101,646	1,426	98,285	1,615	126,841
Goat feeds	223	11,525	164	11,177	127	9,577
All other animal feeds	216	19,676	488	31,878	638	121,133
Total	31,106	4,404,061	35,034	5,308,142	39,497	6,601,060
	1950		1951		1952	
	Quantity	Selling value at plant	Quantity	Selling value at plant	Quantity	Selling value at plant
	tons	\$	tons	\$	tons	\$
Prepared Stock and Poultry Feeds:						
Calf meals	21,916	2,135,467	26,571	2,718,038	25,633	2,599,774
Dairy and cattle feeds	304,777	21,313,713	269,973	20,069,207	277,832	20,291,684
Dairy and cattle concentrates	35,162	2,843,231	45,812	4,044,544	48,374	4,473,667
Horse feeds	4,045	312,686	3,672	288,500	3,715	289,866
Sheep feeds	106	4,720	40	1,890	72	4,574
Swine feeds	472,904	34,229,907	514,996	39,712,525	557,162	41,878,860
Swine concentrates	73,630	7,099,354	92,935	9,965,233	82,060	9,039,234
Poultry Feeds:						
Total	736,597	61,037,281	815,835	71,314,533	865,594	74,633,891
(a) Chick starter	75,645	6,657,288	104,148	9,656,873	112,694	10,711,687
(b) Growing mash	131,681	10,775,879	160,603	13,543,065	147,841	12,144,755
(c) Laying and hatching mash	338,055	27,867,071	330,424	28,397,127	363,034	30,857,297
(d) Other mash	43,936	3,861,111	70,968	7,045,533	60,631	5,634,974
(e) Scratch feed	91,085	6,661,482	87,702	6,676,368	97,600	7,218,008
(f) All turkey feeds	56,195	5,214,450	61,990	5,995,567	83,794	8,067,170
Poultry concentrates	71,306	7,446,433	83,796	9,592,468	85,801	9,989,437
Other mixed feeds	15,726	1,119,813	16,094	1,195,421	21,736	1,686,901
Other mixed concentrates	2,162	215,499	1,383	144,389	1,513	156,093
Mineral mixtures	5,153	411,975	6,536	600,188	8,230	724,992
Total	1,743,484	138,170,079	1,877,643	159,646,936	1,977,722	165,768,973
Other Animal Feeds:						
Fox biscuits	72	7,925	73	8,265	70	4,915
Dog biscuits	3,459	663,481	3,253	654,397	3,384	680,947
Canned foods for dogs and cats	23,925	4,724,294	30,582	5,266,877	37,823	6,446,482
Other fox feeds	3,568	395,403	3,542	466,937	1,826	205,483
Other dog feeds	3	3	8,053	1,470,381	9,498	1,853,137
Mink feeds	4,739	525,657	11,451	1,458,160	7,116	895,737
Rabbit feeds	1,725	140,013	2,025	173,230	3,278	289,767
Goat feeds	109	8,870	113	9,485	161	13,066
All other animal feeds	13,776	1,883,955	3,022	447,314	2,565	438,177
Total	51,373	8,349,598	62,114	9,935,046	65,721	10,827,721

1. Includes feeds, etc. made by firms reporting in the Feeds Industry, Slaughtering and Meat Packing, Flour Milling, etc.

TABLE 7. 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	\$
CANADA				
Concentrates:				
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:				
Total	103,672	—	103,672	11,395,411
(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
Other concentrates	—	138	138	13,190
Total concentrates	229,956	138	230,094	23,198,488
Secondary or complete feeds:				
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:				
Total	827,217	8,820	836,037	70,431,104
(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
Total complete feeds	1,572,822	21,024	1,593,846	124,071,340
Other feeds:				
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:				
Total	463,746	28,665	492,411	27,402,878
(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
Other products:				
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 grass meal	10,549	—	10,549	830,677
Legume grass meal	2,239	—	2,239	158,633
Cereal products for human consumption	4,453	—	4,453	487,459
All other products	8,188	—	8,188	968,440
Total	2,487,225	60,448	2,547,673	198,079,319

1. Included in Feeds for Other Animals.

TABLE 7. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1953 - Continued

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling Value at plant \$
MARITIME PROVINCES				
Concentrates:				
Calf concentrates	67	—	67	6,814
Dairy and cattle concentrates	2,513	—	2,513	219,736
Swine concentrates	2,228	—	2,228	250,987
Poultry concentrates:				
Total	2,786	—	2,786	316,026
(a) Chick starter concentrates	317	—	317	40,662
(b) Broiler concentrates	33	—	33	4,138
(c) Growing concentrates	607	—	607	65,670
(d) Laying and hatching concentrates	1,645	—	1,645	185,274
(e) Fattening and finishing concentrates	56	—	56	6,594
(f) Turkey concentrates	49	—	49	6,707
(g) Other poultry concentrates	79	—	79	6,981
Other concentrates	—	—	—	—
Total concentrates	7,594	—	7,594	793,563
Secondary or complete feeds:				
Calf feeds	865	—	865	83,539
Dairy and cattle feeds	32,314	—	32,314	2,215,743
Swine feeds	26,773	—	26,773	1,922,343
Poultry feeds:				
Total	46,785	—	46,785	3,949,279
(a) Chick starter feeds	4,277	—	4,277	412,984
(b) Broiler feeds	1,094	—	1,094	121,718
(c) Growing feeds	12,741	—	12,741	1,010,708
(d) Laying and hatching feeds	26,998	—	26,998	2,260,173
(e) Fattening and finishing feeds	833	—	833	64,565
(f) Turkey feeds	490	—	490	47,249
(g) Other poultry feeds	352	—	352	31,882
Total complete feeds	106,737	—	106,737	8,170,904
Other feeds:				
Mineral mixtures	154	—	154	10,194
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	—	—	—	—
Rabbit feeds	—	—	—	—
Goat feeds	—	—	—	—
Feeds for other animals	919	—	919	65,158
Scratch feeds	18,460	—	18,460	1,270,579
Hominy feed	—	—	—	—
Chopped, ground or crushed grain feed:				
Total	16,017	—	16,017	1,042,575
(a) Wheat	1,889	—	1,889	146,411
(b) Oats	5,965	—	5,965	361,881
(c) Barley	5,750	—	5,750	363,899
(d) Corn	1,235	—	1,235	101,119
(e) Mixed	1,088	—	1,088	64,797
(f) Other (specify)	90	—	90	4,468
Other products:				
Stock and poultry tonics	—	—	—	2
Veterinary medicines	—	—	—	—
Alfalfa meal: dehydrated	—	—	—	—
sundried	—	—	—	—
Cereal grass meal	—	—	—	—
Legume grass meal	—	—	—	—
Cereal products for human consumption:	—	—	—	—
All other products	2	—	2	1,110
Total	149,883	—	149,883	11,354,083

1. Included in Feeds for other animals.

2. Included in all other products.

TABLE 7. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1953 - Continued

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling Value at Plant \$
QUEBEC				
Concentrates:				
Calf concentrates.....	653	—	653	72,147
Dairy and cattle concentrates.....	17,319	—	17,319	1,459,108
Swine concentrates.....	18,659	—	18,659	1,928,927
Poultry concentrates:				
Total	26,350	—	26,350	2,989,900
(a) Chick starter concentrates.....	3,756	—	3,756	467,019
(b) Broiler concentrates.....	2,613	—	2,613	374,926
(c) Growing concentrates.....	5,722	—	5,722	584,773
(d) Laying and hatching concentrates.....	11,074	—	11,074	1,191,464
(e) Fattening and finishing concentrates.....	798	—	798	96,080
(f) Turkey concentrates.....	2,321	—	2,321	269,278
(g) Other poultry concentrates.....	66	—	66	6,360
Other concentrates.....	—	—	—	—
Total concentrates	62,981	—	62,981	6,450,082
Secondary or complete feeds:				
Calf feeds.....	8,054	—	8,054	752,127
Dairy and cattle feeds.....	117,776	—	117,776	8,091,942
Swine feeds.....	203,021	—	203,021	14,591,682
Poultry feeds:				
Total	212,754	—	212,754	18,357,446
(a) Chick starter feeds.....	31,377	—	31,377	2,815,457
(b) Broiler feeds.....	16,769	—	16,769	1,573,627
(c) Growing feeds.....	38,972	—	38,972	3,134,946
(d) Laying and hatching feeds.....	88,901	—	88,901	7,491,968
(e) Fattening and finishing feeds.....	5,672	—	5,672	438,967
(f) Turkey feeds.....	24,430	—	24,430	2,345,673
(g) Other poultry feeds.....	6,633	—	6,633	556,808
Total complete feeds	541,605	—	541,605	41,793,197
Other feeds:				
Mineral mixtures.....	2,592	—	2,592	200,817
Dog and cat foods:				
(a) Canned.....	—	—	—	—
(b) Biscuits.....	1	—	1	1
(c) Other (meals, etc.).....	128	—	128	22,682
Fox biscuits.....	1	—	1	1
Other fox feeds.....	1	5	130	14,517
Mink feeds.....	390	80	470	52,505
Rabbit feeds.....	1,432	—	1,432	122,052
Goat feeds.....	1	—	1	1
Feeds for other animals.....	1,578	—	1,453	124,581
Scratch feeds.....	26,208	—	26,208	1,802,368
Hominy feed.....	—	—	—	—
Chopped, ground or crushed grain feed:				
Total	147,320	1,133	148,453	8,771,917
(a) Wheat.....	15,463	—	15,463	1,006,622
(b) Oats.....	42,945	—	42,945	2,375,600
(c) Barley.....	46,480	—	46,480	2,600,219
(d) Corn.....	7,119	—	7,119	491,780
(e) Mixed.....	26,083	1,133	27,216	1,688,588
(f) Other.....	9,230	—	9,230	609,108
Other products:				
Stock and poultry tonics.....	—	—	—	1,491
Veterinary medicines.....	—	—	—	2
Alfalfa meal: dehydrated.....	25	—	25	1,695
sundried.....	2	—	2	2
Cereal grass meal.....	—	—	—	—
Legume grass meal.....	—	—	—	—
Cereal products for human consumption.....	2,137	—	2,137	206,506
All other products.....	104	—	104	19,276
Total	786,500	1,218	787,718	59,583,686

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

TABLE 7. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1953 - Continued

Products	Made in Feeds Industries	Made in Other Industries	Total Shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling Value at Plant \$
ONTARIO				
Concentrates:				
Calf concentrates	590	—	590	60,865
Dairy and cattle concentrates.....	33,476	—	33,476	2,767,592
Swine concentrates.....	36,220	—	36,220	3,652,842
Poultry concentrates:				
Total	52,439	—	52,439	5,924,309
(a) Chick starter concentrates	3,082	—	3,082	377,724
(b) Broiler concentrates.....	6,704	—	6,704	925,556
(c) Growing concentrates.....	10,524	—	10,524	1,099,250
(d) Laying and hatching concentrates.....	30,267	—	30,267	3,313,074
(e) Fattening and finishing concentrates	157	—	157	19,271
(f) Turkey concentrates.....	568	—	568	77,465
(g) Other poultry concentrates	1,137	—	1,137	111,969
Other concentrates.....	—	105	105	9,270
Total concentrates	122,725	105	122,830	12,414,878
Secondary or complete feeds:				
Calf feeds	14,982	143	15,125	1,464,025
Dairy and cattle feeds.....	77,899	1,753	79,652	5,664,929
Swine feeds.....	178,348	9,250	187,598	13,100,834
Poultry feeds:				
Total	421,141	7,375	428,516	35,785,141
(a) Chicks starter feeds	44,125	676	44,801	3,958,729
(b) Broiler feeds	53,670	—	53,670	5,017,629
(c) Growing feeds.....	80,462	1,936	82,398	6,354,531
(d) Laying and hatching feeds	174,288	4,235	178,523	14,406,406
(e) Fattening and finishing feeds	8,181	364	8,545	666,040
(f) Turkey feeds.....	43,898	68	43,966	4,007,877
(g) Other poultry feeds.....	16,517	96	16,613	1,373,988
Total complete feeds	692,370	18,521	710,891	56,014,929
Other feeds:				
Mineral mixtures.....	2,420	—	2,420	241,432
Dog and cat foods:				
(a) Canned.....	23,959	1,433	25,392	4,224,659
(b) Biscuits.....	2,333	—	2,333	453,527
(c) Other (meals, etc.).....	1	1	6,416	1,214,159
Fox biscuits	3	—	3	529
Other fox feeds.....	826	—	826	101,727
Mink feeds.....	2,171	—	2,171	267,088
Rabbit feeds.....	862	—	862	71,724
Goat feeds.....	—	—	—	—
Feeds for other animals.....	8,194	1,242	3,020	410,363
Scratch feeds.....	39,573	771	40,344	2,794,105
Hominy feed.....	50	—	50	3,000
Chopped, ground or crushed grain feed:				
Total	224,845	19,556	244,401	13,513,247
(a) Wheat	18,872	—	18,872	1,187,896
(b) Oats	79,356	—	79,356	4,392,686
(c) Barley.....	30,256	—	30,256	1,710,189
(d) Corn.....	13,902	—	13,902	863,206
(e) Mixed	69,969	19,556	89,525	4,842,896
(f) Other.....	12,490	—	12,490	516,374
Other products:				
Stocks and poultry tonics	—	—	—	645,498
Veterinary medicines	—	—	—	17,590
Alfalfa meal: dehydrated.....	15,480	—	15,480	928,253
sundried.....	9,229	—	9,229	322,192
Cereal grass meal.....	83	—	83	8,013
Legume grass meal.....	2,239	—	2,239	158,632
Cereal products for human consumption	2,306	—	2,306	279,510
All other products.....	3,382	—	3,382	504,174
Total	1,153,050	41,628	1,194,678	94,589,243

1. Included in feeds for other animals.

TABLE 7. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1953 — Continued

Products	Made in feeds industries	Made in other industries	Total shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling value at plant \$
PRAIRIE PROVINCES				
Concentrates:				
Calf concentrates	249	—	249	25,189
Dairy and cattle concentrates	3,646	—	3,646	325,595
Swine concentrates	9,706	—	9,706	929,942
Poultry concentrates:				
Total	22,097	—	22,097	2,165,176
(a) Chick starter concentrates	957	—	957	111,356
(b) Broiler concentrates	392	—	392	53,482
(c) Growing concentrates	3,207	—	3,207	312,457
(d) Laying and hatching concentrates	14,868	—	14,868	1,400,782
(e) Patterning and finishing concentrates	100	—	100	10,383
(f) Turkey concentrates	2,172	—	2,172	234,994
(g) Other poultry concentrates	401	—	401	41,722
Other concentrates	—	33	33	3,920
Total concentrates	35,698	33	35,731	3,449,822
Secondary or complete feeds:				
Calf feeds	3,092	69	3,161	271,905
Dairy and cattle feeds	14,973	727	15,700	948,500
Swine feeds	15,011	78	15,089	1,020,719
Poultry feeds:				
Total	63,984	1,415	65,399	5,384,189
(a) Chick starter feeds	18,399	212	18,611	1,610,956
(b) Broiler feeds	3,357	—	3,357	331,433
(c) Growing feeds	8,735	274	9,009	656,292
(d) Laying and hatching feeds	21,803	731	22,534	1,721,097
(e) Patterning and finishing feeds	2,593	82	2,675	233,844
(f) Turkey feeds	8,200	101	8,301	755,964
(g) Other poultry feeds	897	15	912	74,603
Total complete feeds	97,060	2,289	99,349	7,625,313
Other feeds:				
Mineral mixtures	1,598	16	1,614	140,047
Dog and cat foods:				
(a) Canned	2,694	2,768	5,462	1,076,668
(b) Biscuits	1	—	1	1
(c) Other (meals, etc.)	678	—	678	81,368
Fox biscuits	1	—	1	1
Other fox feeds	45	716	761	84,592
Mink feeds	2,022	2,770	4,792	657,730
Rabbit feeds	995	—	995	70,909
Goat feeds	—	—	—	—
Feeds for other animals	167	368	535	52,091
Scratch feeds	5,066	4	5,070	351,127
Hominy feed	—	—	—	—
Chopped, ground or crushed grain feed:				
Total	59,047	7,948	66,995	3,117,870
(a) Wheat	7,997	—	7,997	511,658
(b) Oats	24,918	—	24,918	1,207,226
(c) Barley	9,761	—	9,761	489,434
(d) Corn	728	—	728	53,190
(e) Mixed	4,628	7,948	12,576	528,663
(f) Other	11,015	—	11,015	327,699
Other products:				
Stock and poultry tonics	—	—	—	—
Veterinary medicines	—	—	—	—
Alfalfa meal; dehydrated	4,382	—	4,382	296,535
sundried	2,295	—	2,295	107,741
Cereal grass meal	—	—	—	—
Legume grass meal	—	—	—	—
Cereal products for human consumption	2	—	2	2
All other products	4,722	—	4,722	460,294
Total	216,469	16,912	233,381	17,572,107

1. Included in feeds for other animals.

2. Included in all other products.

TABLE 7. Factory Shipments of Feeds, all Industries, Canada and Provinces, 1953 — Concluded

Products	Made in feeds industries	Made in other industries	Total shipments	
	Quantity tons	Quantity tons	Quantity tons	Selling value at plant \$
BRITISH COLUMBIA				
Concentrates:				
Calf concentrates	3	—	3	3
Dairy and cattle concentrates	904	—	904	84,697
Swine concentrates	3	—	3	3
Poultry concentrates:				
Total	—	—	—	—
(a) Chick starter concentrates	—	—	—	—
(b) Broiler concentrates	—	—	—	—
(c) Growing concentrates	—	—	—	—
(d) Laying and hatching concentrates	—	—	—	—
(e) Fattening and finishing concentrates	—	—	—	—
(f) Turkey concentrates	—	—	—	—
(g) Other poultry concentrates	—	—	—	—
Other concentrates	—	—	—	—
Total concentrates	958	—	958	90,143
Secondary or complete feeds:				
Calf feeds	654	—	654	79,974
Dairy and cattle feeds	47,451	130	47,581	3,113,271
Swine feeds	4,392	54	4,446	318,903
Poultry feeds:				
Total	82,553	30	82,583	6,955,049
(a) Chick starter feeds	3,329	2	3,331	306,590
(b) Broiler feeds	10,197	—	10,197	1,034,619
(c) Growing feeds	11,503	4	11,507	908,116
(d) Laying and hatching feeds	46,488	23	46,511	3,762,894
(e) Fattening and finishing feeds	751	—	751	60,610
(f) Turkey feeds	9,250	1	9,251	799,947
(g) Other poultry feeds	1,035	—	1,035	82,273
Total complete feeds	135,050	214	135,264	10,467,197
Other feeds:				
Mineral mixtures	2	—	2	2
Dog and cat foods:				
(a) Canned	9,037	—	9,037	1,690,912
(b) Biscuits	1	—	1	1
(c) Other (meals, etc.)	1,204	—	1,204	150,793
Fox biscuits	11	—	11	660
Other fox feeds	1	—	1	1
Mink feeds	252	148	400	45,857
Rabbit feeds	599	—	599	49,361
Goat feeds	120	—	120	9,716
Feeds for other animals	1,027	284	1,311	234,451
Scratch feeds	5,419	16	5,435	407,029
Hominy feed	2	—	2	2
Chopped, ground or crushed grain feed:				
Total	16,517	28	16,545	957,269
(a) Wheat	2,656	—	2,656	183,740
(b) Oats	8,779	—	8,779	474,929
(c) Barley	2,830	—	2,830	155,520
(d) Corn	949	—	949	80,674
(e) Mixed	73	28	101	5,319
(f) Other	1,230	—	1,230	57,087
Other products:				
Stock and poultry tonics	—	—	—	—
Veterinary medicines	—	—	—	—
Alfalfa meal: dehydrated	2	—	2	2
sundried	2	—	2	2
Cereal grass meal	10,466	—	10,466	822,664
Legume grass meal	—	—	—	—
Cereal products for human consumption	2	—	2	2
All other products	633	—	663	54,158
Total	181,323	690	182,013	14,980,210

1. Included in feeds for other animals.
2. Included in other products.
3. Included in total concentrates.

TABLE 8. Materials Used in the Feeds Industry, 1952 and 1953

Principal materials ¹	1952		1953	
	Quantity	Cost at plant	Quantity	Cost at plant
	tons	\$	tons	\$
Wheat.....	313,100	18,792,402	315,091	18,742,548
Oats.....	494,147	26,639,769	525,135	25,869,619
Corn.....	114,602	8,155,522	137,855	8,613,143
Barley.....	398,321	22,698,870	361,992	18,642,584
Buckwheat.....	3,497	203,672	4,381	215,754
Mixed grains.....	23,440	1,224,528	13,492	675,126
Other grains, all kinds.....	30,199	1,515,649	20,708	1,049,768
Screenings.....	71,217	3,313,016	89,145	3,365,727
Wheat flour (feed etc.).....	10,416	719,312	11,461	677,138
Bran, shorts, and middlings.....	282,649	16,155,923	278,227	14,586,676
Oatmeal, oat middlings, oat groats.....	10,289	712,761	8,577	606,860
Wheat germ.....	4,016	296,270	2,944	214,635
Corn (grits, meal, cracked and germ).....	2,035	166,195	4,339	316,300
Hominy feed.....	11,454	776,414	11,541	712,575
Gluten feed.....	14,091	1,010,280	16,631	1,076,399
Cereal feed.....	4,160	286,138	2,651	217,080
Cottonseed oil cake and meal.....	863	83,343	1,765	168,467
Cocoonut or copra oil cake and meal.....	4,529	310,559	2,520	120,794
Linseed oil cake and meal.....	37,259	3,377,893	31,108	2,504,066
Peanut oil cake and meal.....	2,271	178,140	860	71,707
Soybean oil cake and meal.....	150,842	14,514,496	160,885	13,637,554
Oil cake meals, not specified.....	2,650	209,109	3,006	195,044
Alfalfa hay.....	42,656	924,783	33,478	659,870
Alfalfa meal (dehydrated and sundried).....	41,189	2,220,822	39,290	2,085,540
Cereal and legume grasses.....	11,742	385,977	11,901	476,095
Cereal grass meal.....	13,580	1,365,382	13,193	1,278,515
Fish meal.....	23,718	3,684,419	21,413	3,194,270
Cod liver meal.....	299	97,630	1,263	258,758
Fish oils, all kinds.....	1,969	1,116,558	2,185	849,266
Blood meal.....	2,932	320,214	2,353	230,473
Bone meal.....	4,156	338,764	5,710	392,661
Bone char.....	265	13,922	216	10,685
Lung and liver meal.....	820	102,330	1,109	120,155
Meat meal.....	31,610	3,596,760	33,312	3,293,751
Meat scraps (cracklings).....	32,467	2,921,576	34,801	3,019,396
Raw meat (horse, etc.).....	6,377	794,719	5,334	776,886
Tankage.....	5,626	554,270	4,891	385,208
Milk, buttermilk, whey, etc., powdered.....	6,735	1,094,850	6,256	847,062
Molasses.....	30,179	1,527,356	33,543	1,364,218
Beet pulp.....	3,442	217,222	4,322	272,837
Oyster and clam shell.....	1,711	42,020	3,075	95,711
Limestone (calcium carbonate).....	28,283	250,392	25,354	220,359
Grit and gravel.....	835	17,794	1,236	22,269
Salt.....	20,975	502,074	18,243	427,212
Antibiotics.....	—	—	970	1,613,271
Chemicals, minerals, etc.....	1,453	410,121	1,476	414,431
Mixed concentrates and supplements.....	110,747	11,810,930	115,370	12,235,127
Mineral mixtures.....	2,190	163,274	1,358	101,602
Rock phosphate.....	17,615	906,976	15,996	765,855
Vitamins and vitamin compounds.....	4,063	1,124,689	3,722	1,217,363
Urea.....	916	161,949	1,315	241,092
Brewers' and distillers' grains.....	16,323	1,063,100	15,197	948,467
Malt sprouts.....	5,571	288,500	5,390	260,836
Rice meal and rice feed.....	2,479	113,651	2,467	98,931
Yeast.....	916	225,355	796	182,360
Seeds (clover, sunflower, millet, etc.).....	1,742	234,808	1,383	212,929
Containers and packaging material.....	—	8,177,624	—	6,290,232
All other materials.....	11,777	1,214,081	9,988	841,505
Total.....	2,473,405	169,325,153	2,482,220	157,984,762

1. Does not include grains for custom chopping.

TABLE 9. Employees and their Earnings, by Provinces, 1952 and 1953

	Average number					Earnings		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	No.	No.	No.	No.	No.	\$	\$	\$
1952								
Prince Edward Island.....	21	5	46	—	72	46,296	74,595	120,891
Nova Scotia.....	25	4	64	3	96	64,566	107,512	172,078
New Brunswick.....	42	12	143	1	198	111,879	294,547	406,426
Quebec.....	492	107	1,219	11	1,829	1,150,973	2,502,519	3,653,492
Ontario.....	1,003	269	2,415	96	3,783	2,576,814	5,292,396	7,876,210
Manitoba.....	87	25	176	3	291	275,388	375,007	650,395
Saskatchewan.....	19	12	62	4	97	71,052	141,004	212,056
Alberta.....	100	15	236	12	363	233,186	561,783	794,969
British Columbia.....	129	81	465	37	712	567,461	1,249,543	1,817,004
Canada.....	1,918	530	4,826	167	7,441	5,097,615	10,605,906	15,703,521
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

TABLE 10. Production Workers, by Months, 1952 and 1953

Months	1952			1953		
	Male	Female	Total	Male	Female	Total
	No.	No.	No.	No.	No.	No.
January.....	4,740	165	4,905	4,616	159	4,775
February.....	4,707	170	4,877	4,567	166	4,733
March.....	4,716	158	4,874	4,626	158	4,784
April.....	4,819	150	4,969	4,717	162	4,879
May.....	4,859	147	5,006	4,719	168	4,887
June.....	4,926	163	5,089	4,867	166	5,033
July.....	4,988	171	5,159	4,892	169	5,061
August.....	4,941	159	5,100	4,907	167	5,074
September.....	4,939	184	5,123	4,843	172	5,015
October.....	4,825	177	5,002	4,728	183	4,911
November.....	4,692	181	4,873	4,623	186	4,809
December.....	4,532	144	4,676	4,517	143	4,660
Monthly average.....	4,807	164	4,971	4,728	170	4,898

TABLE 11. Exports of Feeds, 1952 and 1953

Articles exported	1952		1953	
	Quantity	Value	Quantity	Value
	tons	\$	tons	\$
Mixed feeds.....	9,783	857,233	10,096	847,012
Oat feed, ground.....	36,423	1,360,121	36,108	1,172,362
Fodders, n.o.p.....	43,268	3,057,911	48,183	2,933,906

TABLE 12. Power Equipment in the Feeds Industry, 1948 and 1953

		1948		1953	
		No. of units	Total horse-power capacity	No. of units	Total horse-power capacity
Steam engines and turbines.....	in use	8	220	12	1,207
	idle	4	245	5	1,185
Diesel engines	in use	225	12,707	215	13,311
	idle	14	693	13	695
Gasoline gas and oil engines other than diesel.....	in use	185	7,821	135	5,612
	idle	25	784	16	431
Hydraulic turbines	in use	260	11,454	231	10,089
	idle	12	676	3	142
Electric motors (operated by purchased power).....	in use	4,399	59,052	6,854	80,299
	idle	188	2,175	193	3,038
Total.....		5,320	95,827	7,677	116,009
Electric motors (operated by power generated by the establishment	in use	—	—	46	1,021
	idle	—	—	3	85
Boilers for power purposes.....	in use	12	1,029	10	800
	idle	1	50	4	1,110
Motor generator sets.....	in use	9	47	144	48,329
	idle	4	2	2	9

TABLE 13. Fuel Consumption in the Feeds Industry, 1948 and 1953

		1948		1953	
	Unit of measure	Quantity	Cost at plant	Quantity	Cost at plant
			\$		\$
Bituminous Coal—Canadian.....	tons	3,120	29,455	4,377	46,610
Imported	“	8,548	97,199	18,991	215,905
Sub-bituminous coal.....	“	106	1,142	477	3,332
Anthracite coal.....	“	1,811	26,231	1,818	29,259
Lignite coal	“	544	7,074	623	4,547
Coke.....	“	562	10,063	28	826
Gasoline	imp. gal.	971,393	335,029	1,688,928	611,155
Kerosene or coal oil	“ “	6,210	1,200	160,177	20,349
Fuel oil.....	“ “	1,964,973	267,017	3,253,266	467,911
Wood.....	cords	1,059	6,824	1,089	7,714
Gas:					
(a) Liquefied petroleum.....	imp. gal	757	724	1,116	440
(b) Other manufactured	1,000 cu. ft.			44,644	16,670
(c) Natural.....	1,000 cu. ft.	56,444	33,046	66,870	24,158
Other fuel	—	—	285	—	4,606
Electricity.....	k.w.h.	56,063,409	836,308	80,738,995	1,432,920
Total cost of fuel and electricity		—	1,651,597	—	2,886,402

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