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FEED MANUFACTURERS

1961

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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. figures not available.

... figures not appropriate or not applicable.

— nil or zero.

EXPLANATORY NOTES

This report is one in a series of about 140 publications which present the results of the 1961 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. Implementation of the new definition of the establishment in the 1961 Census has resulted in certain changes and necessitated some adjustments to the statistics for previous years in order to maintain comparability of the data. (See following note on "Establishment".)

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1961, are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

Many firms have more than one manufacturing establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements described earlier.

Prior to 1961, the main emphasis in the Census of Manufactures was on manufacturing activity whereas, beginning with 1961, each establishment reports on the total operations carried out within its accounting boundaries (except income from investments such as rent, interest and dividends). However, data on different activities (manufacturing, selling, construction by own labour force etc.) are requested separately. The 1961 statistics in this report are confined to manufacturing activity in order to maintain comparability with previous years. In the 1962 reports it is planned to show both 1961 and 1962 data on the "total activity" basis in addition to the data on manufacturing operations.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level, and clerical employees. Working owners and partners are also included in this category but will be shown separately in subsequent years.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, handling, warehousing and delivery staff. Employees on new construction work, in retail or wholesale operations, on outside piece work, etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included with salaries, but will be shown separately in subsequent years. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the establishment including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the establishment, of materials, supplies and components actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants or reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments generally refer to shipments of goods made from own materials either in the reporting establishments or by other manufacturers on the basis of a charge to the reporting establishment for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm which are treated as separate establishments are included. Goods bought or received as transfers and resold without further processing are not included. Values are requested

on f.o.b. establishment basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book value of manufacturing inventory. Figures consist of inventory at the plant and at warehouses or selling outlets which are treated as extensions of the plants for the purpose of reporting shipments.

Value added by Manufacturing

Value added is compiled by deducting the cost of materials, fuel and electricity consumed from the value of production (value of shipments adjusted for changes in the value of inventories of finished goods and goods in process). Value added is sometimes referred to as net production.¹

Standard Industrial Classification

The revised Standard Industrial Classification which was introduced with the 1960 Census of Manufactures provides for a breakdown of the universe into 140 industries arranged in 20 major groups compared with 135 industries in 17 major groups in the old classification which was used in the compilations for the years 1949 to 1959 inclusive. Full details are contained in the Standard Industrial Classification Manual, Catalogue No. 12-501, which is available from either the Queen's Printer or the Dominion Bureau of Statistics. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Establishments engaged solely in repair work are not included in manufacturing industries (except in the case of furniture, shipbuilding, boat building, aircraft and railroad rolling stock industries) but establishments principally engaged in assembling parts into complete units are included.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of advertising, insurance and other business costs which are not collected in the annual Census of Manufactures. Value added figures for the primary industries, manufacturing and construction are published in D.B.S. publication 61-202, Survey of Production.

Short Forms

Since 1949, in order to ease the reporting burden for smaller firms, a one-page short form has been used asking only for certain principal items of shipments. For purposes of publication, missing data were estimated on the basis of appropriate ratios. For the 1959 and 1960 censuses the general limit for short forms was raised from \$50,000 to \$100,000 value of shipments and a new intermediate form was used. This form is a shortened version of the long form in that some of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and inter-

mediate forms there are lower cut-offs for a number of industries in which the smaller firms account for a larger share of total shipments.

In the 1961 Census, in addition to the question on shipments of goods of own manufacture, questions on employment and payroll and on total revenue were added on all short forms. The other elements of principal statistics, viz. value of materials, fuel and electricity, and inventories, are generally estimated by using ratios based on the change in the value of shipments from year to year. This is to permit the complete compilation of basic industry statistics by industry and by geographic location. The proportion of the estimated data is generally less than 5 per cent of the total in each category of principal statistics.

Distribution by Form Size Compiled for Feed Manufacturers, 1961

Establishments reporting on	Number of establishments	Percentage of total number of establishments	Value of factory shipments	Percentage of total value of factory shipments
			\$	
Long forms	397	41.4	244,774,171	84.5
Intermediate forms	268	28.0	30,047,181	10.4
Short forms	293	30.6	14,839,254	5.1
Totals	958	100.0	289,660,606	100.0

FEED MANUFACTURERS

1961

In the preceding pages of Explanatory Notes a concise outline has been presented on factors applicable to and comprised in the tabular matter compiled for this publication. The revised Standard Industrial Classification and the new concept of the **establishment** (reporting unit; see Explanatory Notes page 3) apply to 1961 and succeeding Annual Census of Manufactures reports. Implementation of both features has necessitated adjustments to the statistics. To maintain comparability of principal statistics for recent years a special insertion, with applied adjustments back to 1957 is shown in Table 1.

Previous to the publication of the 1953 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", as published previous to 1953, 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.

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 Feed Manufacturers.
- (b) **The Feed Manufacturers** 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 Feed Manufacturers. The number of firms transferred totalled 643 in 1953 and constituted only 13 per cent of the selling value of total shipments in the Feed Manufacturers.
- (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, where by 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 work. Historically, principal statistics in Table 1 have been made comparable beginning with the 1953 reports. It should be noted that this change in statistical treatment does not affect the value added for the industry.

As a result of increased work loads and staff shortages it has been necessary to suspend publication of certain tables normally contained in this report. It is planned to resume publication of these tables in the 1962 reports. The tables affected are the following: List of firms—Imports—Exports—Capital and Repair Expenditures.

TABLE 1. Principal Statistics of Feed Manufacturers for Canada 1950-59, and for Provinces, 1937-61

	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Value added by manufacture	Selling value of factory shipments ¹
Basis: Standard Industrial Classification in use prior to 1960							
	number				dollars		
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
1953	1,297	7,233	16,198,271	2,886,402	157,984,762	34,913,717	195,784,881
1954	1,318	7,788	18,093,413	3,490,899	172,798,487	39,984,555	215,439,719
1955	1,374	7,912	19,353,425	3,695,564	167,710,257	44,391,218	215,847,797
1956	1,391	8,229	20,670,213	3,995,697	194,336,685	53,397,437	250,957,806
1957	1,400	8,052	21,429,875	4,254,639	190,251,422	53,922,905	249,033,740
1958	1,409	8,147	24,057,368	4,125,681	219,485,186	62,143,344	284,912,260
1959	1,387	8,167	25,314,327	4,384,535	234,498,147	66,586,119	295,142,446
Basis: Revised Standard Industrial Classification and New Establishment Concept							
	number				dollars		
1957							
Prince Edward Island	13	55	95,578	15,312	704,142	..	908,913
Nova Scotia	14	95	222,139	39,183	3,455,072	..	4,207,281
New Brunswick	14	169	456,472	69,610	5,356,342	..	6,245,185
Quebec	335	2,032	5,150,620	1,011,530	55,195,421	..	70,105,414
Ontario	509	3,406	9,587,189	1,896,714	80,593,630	..	106,151,746
Manitoba	33	532	1,581,252	253,202	12,980,043	..	17,482,845
Saskatchewan	12						
Alberta	45						
British Columbia	32						
Canada	1,007	6,941	19,162,028	3,696,792	170,960,780	..	222,515,270
1958							
Newfoundland and Prince Edward Island	13	54	99,261	14,892	764,029	224,057	993,062
Nova Scotia	13	107	270,349	37,617	3,744,041	910,921	4,697,247
New Brunswick	13	161	428,331	67,454	6,023,562	903,972	6,979,052
Quebec	341	2,368	6,689,412	1,038,203	69,178,247	15,997,908	86,039,250
Ontario	488	3,252	10,171,864	1,850,895	91,710,521	28,396,417	121,223,840
Manitoba	32	538	1,769,472	288,009	16,032,149	4,741,318	20,994,617
Saskatchewan	11						
Alberta	45						
British Columbia	33						
Canada	989	7,103	21,704,392	3,638,711	201,934,224	55,861,378	260,511,647
1959							
Newfoundland and Prince Edward Island	12	55	114,159	16,952	803,920	210,421	1,030,648
Nova Scotia	12	101	259,444	36,321	3,604,360	1,063,709	4,706,912
New Brunswick	13	160	444,479	72,947	6,725,286	802,241	7,653,776
Quebec	329	2,344	7,133,405	1,102,727	69,968,882	14,794,019	85,534,216
Ontario	478	3,258	10,452,761	1,935,986	91,900,202	32,288,962	125,368,959
Manitoba	33	543	1,935,886	324,844	16,519,563	5,654,497	22,516,079
Saskatchewan	10						
Alberta	43						
British Columbia	33						
Canada	963	7,098	22,841,714	3,877,523	206,040,381	60,188,991	269,000,437
1960							
Newfoundland and Prince Edward Island	14	57	133,001	24,619	967,912	244,452	1,229,607
Nova Scotia	11	105	271,890	42,853	3,727,933	1,252,994	5,034,229
New Brunswick	12	178	531,777	69,825	6,213,119	1,043,206	7,317,602
Quebec	334	2,264	7,291,687	1,099,790	67,475,583	16,904,316	85,569,615
Ontario	471	3,197	10,640,891	1,934,478	86,443,272	26,629,471	115,305,599
Manitoba	34	231	856,093	153,986	6,906,066	2,739,657	9,827,653
Saskatchewan	8	53	173,627	39,005	1,375,516	486,461	1,918,341
Alberta	50	249	936,987	153,478	6,984,121	2,889,600	10,020,448
British Columbia	36	629	2,507,280	400,387	17,016,522	4,827,106	22,314,398
Canada	970	6,983	23,343,233	3,918,421	197,110,044	57,017,263	258,537,492
1961							
Newfoundland and Prince Edward Island	15	64	159,940	35,394	1,095,877	227,552	1,364,580
Nova Scotia	11	104	296,296	49,102	4,645,381	928,489	5,621,735
New Brunswick	14	213	647,760	90,769	6,595,868	1,182,478	7,883,744
Quebec	335	2,194	7,157,881	1,255,868	75,612,617	15,672,046	92,571,660
Ontario	448	3,219	11,319,719	2,199,287	97,127,859	28,702,183	127,634,668
Manitoba	36	243	905,007	180,757	9,070,106	2,742,480	11,963,294
Saskatchewan	7	68	248,259	43,564	1,807,361	715,772	2,535,428
Alberta	54	311	1,212,148	196,777	10,317,612	3,505,754	13,996,352
British Columbia	38	623	2,565,858	454,256	19,658,047	5,940,431	26,088,945
Canada	958	7,039	24,512,868	4,505,774	225,930,728	59,617,185	289,660,606

¹ Prior to 1952 the basis of collection was gross value of production.

Note: Profits or losses cannot be estimated from Census figures, as no data are collected for certain expense items such as interest, rent, depreciation, taxes, insurance, advertising etc.

TABLE 2. Inventories, 1961

Province	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total inventory
dollars				
Opening: ¹				
Newfoundland and Prince Edward Island	89,384	530	26,816	116,730
Nova Scotia	322,589	656	48,335	371,580
New Brunswick	676,504	3,816	131,539	811,859
Quebec	4,056,267	150,990	1,675,037	5,882,294
Ontario	6,010,729	338,475	2,413,067	8,762,271
Manitoba	528,887	565	270,389	799,841
Saskatchewan	178,125	10	73,042	251,177
Alberta	679,287	16,475	400,017	1,095,779
British Columbia	1,600,767	31,667	468,643	2,101,077
Canada	14,142,539	543,184	5,506,885	20,192,608
Closing:				
Newfoundland and Prince Edward Island	97,524	530	21,059	119,113
Nova Scotia	486,794	575	49,653	537,022
New Brunswick	874,012	3,113	117,613	994,738
Quebec	4,396,259	156,626	1,638,272	6,191,157
Ontario	6,457,556	402,831	2,743,172	9,603,559
Manitoba	651,724	795	300,208	952,727
Saskatchewan	231,016	30	104,291	335,337
Alberta	722,702	18,728	421,555	1,162,985
British Columbia	2,073,266	25,835	438,264	2,537,365
Canada	15,990,853	609,063	5,834,087	22,434,003

¹ The opening inventory for 1961 differs from the closing inventory for 1960 because of the receipt of revised data, the inclusion of new establishments, the removal of figures for establishments which did not operate during 1961, changes in classification, and the implementation of the New Establishment Concept.

TABLE 3. Employees and their Earnings, by Provinces, 1961

Province	Average					Salaries and wages		
	Supervisory and office employees		Production workers		Total	Supervisory and office employees	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
Newfoundland and Prince Edward Island	20	1	43	—	64	62,718	97,222	159,940
Nova Scotia	27	9	68	—	104	112,995	183,301	296,296
New Brunswick	38	12	163	—	213	174,032	473,728	647,760
Quebec	540	173	1,479	2	2,194	2,557,787	4,800,094	7,157,881
Ontario	823	218	2,106	72	3,219	4,167,926	7,151,793	11,319,719
Manitoba	67	12	164	—	243	320,227	584,780	905,007
Saskatchewan	18	5	45	—	68	86,788	161,473	248,259
Alberta	74	16	218	3	311	397,015	815,133	1,212,148
British Columbia	118	73	412	20	623	957,240	1,608,618	2,565,858
Canada	1,725	519	4,698	97	7,039	8,836,726	15,676,142	24,512,868

TABLE 4. Custom Chopping and Grinding in Feed Manufacturers, 1961

Province	Wheat	Oats	Barley	Mixed grains	Other grains	Total	Amount received for custom chopping
tons						\$	
Newfoundland and Prince Edward Island	110	3,513	1,330	10,348	100	15,401	61,502
Nova Scotia	18	2,051	14	1,351	—	3,434	15,047
New Brunswick	74	8,914	208	2,044	—	9,240	32,721
Quebec	8,934	125,649	17,833	61,618	4,132	218,166	837,534
Ontario	23,225	106,934	32,905	281,097	13,153	457,314	1,446,771
Manitoba	—	1,250	—	38,647	—	39,897	139,679
Saskatchewan	—	290	54	275	1,123	1,742	6,570
Alberta	11,864	17,882	17,372	54,911	—	102,029	345,302
British Columbia	393	1,748	320	2,095	—	4,556	21,042
Canada	44,618	266,231	70,036	452,386	18,508	851,779	2,906,168

Note: The Flour Milling industry in 1961 had custom-grinding revenue in amount of \$54,084

TABLE 5. Factory Shipments of Feeds, All Industries, Canada, 1961

Products	Feed manufacturers		All industries	
	Quantity	Selling value of factory shipments	Quantity	Selling value of factory shipments
		\$		\$
Wheat flour:				
Enriched, all grades	cwt. 63,563	293,534	23,804,806	103,760,585
Non-enriched, all grades	" 135,251	592,676	15,579,071	65,263,857
Breakfast foods:				
Prepared, ready to serve	ton 1	1	53,313	33,771,919
Unprepared:				
Oatmeal	" 1	1	12,248	1,305,026
Rolled oats	" —	—	41,818	8,197,236
Unprepared breakfast cereal	" 1	1	8,874	1,977,732
Bran shorts and middlings	" 3,305	171,750	643,511	26,280,182
Primary premixes and concentrates — for complete feeds:				
Concentrates:				
Calf	" 1	1	5,182	486,290
Dairy and cattle	" 128,921	11,168,517	131,027	11,250,887
Swine	" 115,780	12,190,722	116,704	12,288,816
Poultry:				
Chick starter	" 1	1	9,126	1,066,587
Broiler	" 1	1	20,553	2,439,392
Growing, laying and hatching	" 1	1	96,406	9,598,918
Fattening and finishing	" 1	1	605	64,335
Turkey	" 1	1	21,985	2,463,454
Other poultry n.e.s.	" 1	1	900	94,158
All other concentrates n.e.s.	" 1	1	2,775	252,527
Premixes:				
Dairy cattle	" 1	1	6,471	571,091
Swine	" 14,708	1,282,410	14,708	1,282,410
Poultry	" 26,403	672,833	26,403	672,833
All other premixes n.e.s.	" 6,603	667,391	6,603	667,391
Secondary or complete feeds:				
Calf	" 37,388	3,869,488	38,032	3,926,733
Dairy and cattle	" 449,974	29,883,774	458,312	30,479,350
Swine	" 611,954	44,148,951	621,860	44,907,440
Poultry:				
Chick starter	" 78,751	6,767,884	81,210	6,978,894
Broiler	" 1	1	347,114	30,285,218
Growing, laying and hatching	" 553,004	42,753,568	562,124	43,535,773
Fattening and finishing	" 1	1	34,397	2,756,397
Turkey	" 173,866	14,649,873	183,908	15,542,863
Other poultry n.e.s.	" 1	1	17,905	1,623,715
Horse feeds n.e.s.	" 1	1	4,848	355,018
Mixed feeds n.e.s.	" 145,014	10,892,153	157,920	11,896,321
Miscellaneous animal and pet feeds:				
Dog and cat:				
Canned	" 66,856	12,975,621	77,533	15,171,062
Biscuits	" 1	1	4,889	1,217,457
Other	" 1	1	15,522	3,206,087
Fox	" 1,668	182,752	4,487	564,572
Mink	" 17,795	1,959,182	18,143	1,992,613
Rabbit	" 1	1	4,481	397,998
Scratch feeds n.e.s.	" 41,045	2,725,014	47,416	3,187,389
Chopped, ground crushed feeds:				
Oats	" 106,947	6,139,956	109,775	6,295,830
Barley	" 100,590	5,563,245	102,641	5,670,421
Other grains, chopped etc.	" 183,391	9,613,889	186,473	9,775,755
Screenings	" 68,192	1,030,161	260,648	4,120,836
All other feeds n.e.s.	" ...	644,164	...	817,351
Other products:				
Mineral mixtures	ton 1	1	16,473	1,740,692
Veterinary medicines	" ...	63,021	...	63,021
Legume and grass meals, dehydrated, all kinds	ton 50,405	3,110,561	50,405	3,110,561
Legume and grass meals, sundried, all kinds	" 8,697	301,304	8,697	301,304
All other products	" ...	63,377,609	...	63,377,609
Amount received for work done on materials owned by others	" ...	3,076,156	...	3,076,156
Total	" ...	290,093,326	...	...
Less adjustment for sales taxes, excise duties and outward transportation charges which were not deducted from individual commodity items detailed above	" ...	432,720	...	...
Adjusted total	" ...	289,660,606	...	...

¹ Confidential. Included with "All other products".

TABLE 6. Materials Used by Feed Manufacturers, 1961

Materials	Quantity	Cost at plant \$
Grains:		
Wheat	436,535	24,060,352
Oats	378,645	19,141,759
Corn	344,051	17,375,339
Barley	517,166	24,977,528
Buckwheat	843	39,678
Rye	2,888	135,596
Flax	368	29,142
Peas	2,373	397,911
Mixed grains	25,246	1,205,400
Other grains, all kinds	22,355	1,050,894
Screenings (including seed screenings)	208,696	5,964,318
Grain by-products:		
Wheat flour (feed, etc.)	8,868	597,214
Other flour	320	40,114
Bran, shorts and middlings	298,421	13,986,937
Oatmeal, oat middlings, and oat groats	9,580	690,868
Wheat germ	4,827	410,989
Cornmeal, corn grits, cracked corn and corn germ	3,679	221,894
Hominy feed	562	28,568
Gluten feed and meal	17,753	1,023,010
Cereal feed and wheatlets	1,764	138,553
Brewers' and distillers' grains	28,988	1,483,125
Malt sprouts	7,585	332,451
Rice feeds	3,279	124,293
Mixed concentrates, supplements and premixes:		
Calf	3,012	316,730
Dairy and cattle	31,046	2,702,490
Swine	55,684	5,592,744
Poultry	62,273	6,868,474
Other	2,738	233,791
Oil seed products:		
Linseed oil cake and meal	15,820	1,189,165
Soybean oil cake and meal	351,300	27,389,295
Other oilcake meals	16,408	978,961
Legumes and grasses:		
Legumes and grasses (alfalfa, etc.)	81,362	1,437,835
Legume and grass meal, dehydrated	43,827	2,676,413
Legume and grass meal, sundried	12,084	478,529
Fishery by-products:		
Fish and liver meal	34,667	4,480,707
Oyster and clam shell	3,941	111,575
Fish, fresh or frozen	7,338	543,815
Fish solubles	2,823	157,927
Meat and tankage by-products:		
Blood meal (dried blood)	5,293	448,176
Bone meal	3,140	268,211
Bone char	299	16,898
Lung and liver meal	195	25,270
Meat meal	74,669	6,764,851
Raw meat, (horses, etc.)	13,256	1,398,053
Feeding tankage	29,358	2,553,753
Tankage n.e.s.	723	30,833

TABLE 6. Materials Used by Feed Manufacturers, 1961 — Concluded

Materials	Quantity	Cost at plant
		\$
Miscellaneous materials:		
Buttermilk powder	ton 5,062	603,255
Skim milk powder	" 5,629	709,969
Whey powder	lbs. 5,718,000	269,235
Molasses	ton 58,771	1,924,530
Beet pulp	" 8,372	471,713
Limestone (calcium carbonate)	" 53,394	557,749
Grit and gravel	" 2,956	61,031
Salt	" 29,895	703,829
Sugar	" 1,386	204,966
Mineral mixtures	" 3,528	507,673
Drugs:		
Antibiotics	" 1,319	2,378,951
Other (coccidiostats, etc.)	" 622	1,401,935
Phosphate rock and other phosphates	" 33,236	2,465,324
Vitamins and vitamin compounds flour enrichment	" 82	123,527
Vitamins and vitamin compounds feeds enrichment	" 3,322	2,070,389
Urea	" 6,296	653,271
Yeast	" 724	187,337
Seeds, (clover, sunflower, millet, etc.)	" 1,217	199,206
Oils, animal, fish etc. (including tallow)	" 15,748	2,198,500
Distillers' solubles	" 2,776	223,207
Lard	" 56	12,239
Gelatine	" 5	5,150
Tomato pomace	" 232	2,449
Wheat starch	" 31	8,023
Colouring	" 1,105	128,861
Tin plate under 3/16"	" 3,501	701,653
All other materials ¹ .....	...	13,700,251
Containers and other packaging materials and supplies .....	...	10,871,545
Operating supplies .....	...	2,187,557
Amount paid out to others for work done on materials owned by this plant .....	...	296,974
Total .....	..	225,930,728

¹ No detailed information on materials used was collected from small establishments. The estimated value of materials used by these establishments was \$10,906,353 in 1961 and this amount is included in "All other materials". The value of shipments reported by these establishments was \$14,839,254.

TABLE 7. Principal Statistics of Feed Manufacturers, grouped according to Size of Shipments, 1961

Shipment size	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number				dollars	
Under \$50,000	256	446	956,066	232,038	4,071,529	5,817,891
\$ 50,000 to \$ 99,999	211	744	2,042,822	423,124	12,335,273	15,938,093
100,000 " 199,999	214	1,124	3,351,781	764,866	23,712,477	30,713,482
200,000 " 499,999	175	1,489	4,784,307	1,095,772	40,412,520	51,780,013
500,000 " 999,999	47	853	3,309,462	602,428	26,013,418	33,819,198
1,000,000 " 4,999,999	48	1,766	7,041,661	1,041,875	74,995,117	94,884,711
5,000,000 and over	7	612	3,027,529	345,671	44,390,394	56,707,218
Head offices .....	...	5	19,240	...	...	...
Totals	958	7,039	24,512,868	4,505,774	225,930,728	289,660,606

TABLE 8. Principal Statistics of Feed Manufacturers, grouped according to Number of Employees, 1961

Employee group	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Under 5	526	1,288	3,390,182	804,083	26,199,081	33,721,118
5- 14	339	2,476	8,002,162	1,610,505	66,936,361	84,957,373
15- 49	75	1,792	6,718,592	1,242,199	61,102,651	77,968,931
50- 99	14	977	4,225,434	639,969	51,243,690	66,826,334
100-199	4	501	2,157,258	209,018	20,448,945	26,186,850
Head offices .....	...	5	19,240	...	...	...
Totals	958	7,039	24,512,868	4,505,774	225,930,728	289,860,606

TABLE 9. Principal Statistics of Feed Manufacturers, grouped according to Type of Ownership, 1961

Type of ownership	Estab- lish- ments	Employees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Selling value of factory shipments
	number		dollars			
Individual ownership	355	1,017	2,592,880	610,953	21,282,200	27,093,423
Partnership	85	327	893,909	193,686	6,596,296	8,529,701
Incorporated companies	313	4,022	15,797,471	2,736,160	145,969,646	189,431,799
Co-operatives	205	1,673	5,228,608	964,975	52,082,586	64,605,683
Totals	958	7,039	24,512,868	4,505,774	225,930,728	289,660,606

TABLE 10. Production Workers, by Months, 1961

Month	Establishments reporting monthly detail		Establishments reporting quarterly detail	
	Male	Female	Male	Female
January	3,378	109		
February	3,387	97		
March	3,440	97	716	—
April	3,506	95		
May	3,654	97		
June	3,666	99	763	—
July	3,701	86		
August	3,693	96		
September	3,674	95	767	—
October	3,614	104		
November	3,528	92		
December	3,480	97	722	—
Average for establishments reporting monthly detail ¹			3,583	97
Average for establishments reporting quarterly detail ²			755	—
Average for small establishments ³			360	—
Average for all establishments			4,698	97

¹ The number of production workers, by months, was collected only for large establishments.² The number of production workers, by quarters, was collected only for medium-size establishments.³ The monthly detail of production workers was not collected from small establishments. Only annual averages were collected from these establishments.

TABLE 11. Fuel Consumption, 1961

Kind	Quantity	Cost at plant
		\$
1. Establishments reporting commodity detail: ¹		
Bituminous coal:		
(a) From Canadian mines	ton	326
(h) Imported	"	4,870
Sub-bituminous coal (from Alberta mines only)		—
Anthracite coal	ton	352
Lignite coal	"	1,946
Coke	"	343
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	2,694,605
Fuel oil including kerosene or coal oil	"	3,871,894
Wood	cord	223
Gas:		
(a) Liquefied petroleum gases	Imp. gal.	67,313
(h) Other manufactured gas	"	600
(c) Natural gas	Mcf.	400,699
Other fuel		—
Electricity purchased	kwh.	98,755,275
Steam purchased	pound	70,649,470
2. Establishments reporting group detail: ²		
Cost of fuel .....	...	321,266
Cost of electricity .....	...	373,941
3. Estimate for establishments for which no data were collected: ³		
Cost of fuel and electricity .....	...	407,522
4. All establishments:		
Total cost of fuel and electricity .....	...	4,505,774

¹ Large establishments.² Medium-size establishments.³ Small establishments.

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