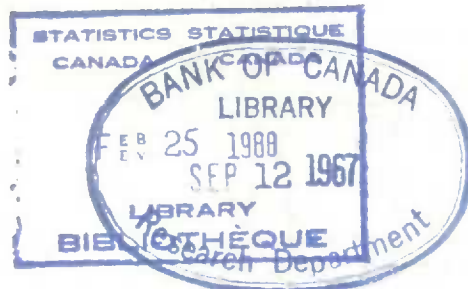


CATALOGUE No.

46-220

ANNUAL



# MANUFACTURERS OF MIXED FERTILIZERS 1965

## ANNUAL CENSUS OF MANUFACTURES

*Published by Authority of*  
The Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Manufacturing and Primary Industries Division

September 1967  
6506-860

Price: 50 cents

## PUBLICATIONS

In addition to the report on this industry, the DBS publishes annual statistics on a number of related industries and current statistics on the more important commodities. Copies of reports provided in the following list are available from the Publications Distribution, Dominion Bureau of Statistics, Ottawa or from the Queen's Printer, Hull, P.Q.

Catalogue number	Title	Periodicity	Price	
			Per copy	Per year
46-209	Manufacturers of Pharmaceuticals and Medicines .....	A	.50	
46-210	Paint and Varnish Manufacturers .....	A	.50	
46-211	Manufacturers of Plastics and Synthetic Resins .....	A	.50	
46-214	Manufacturers of Soap and Cleaning Compounds .....	A	.50	
46-215	Manufacturers of Toilet Preparations .....	A	.50	
46-216	Other Chemical Industries .....	A	.50	
46-217	Chemicals and Chemical Products Industries Preliminary Summary Statistics .....	A	.25	
46-218	Explosives and Ammunition Manufacturers .....	A	.25	
46-219	Manufacturers of Industrial Chemicals .....	A	.50	
46-220	Manufacturers of Mixed Fertilizers .....	A	.50	
-----				
31-001	Inventories, Shipments and Orders in Manufacturing Industries .....	M	.30	\$3.00
31-201	General Review of the Manufacturing Industries of Canada .....	A	\$2.00	
32-005	Margarine .....	M	.10	1.00
32-006	Oils and Fats .....	M	.10	1.00
32-205	Breweries .....	A	.50	
32-206	Distilleries .....	A	.50	
32-222	Sugar Refineries .....	A	.50	
33-202	Leather Tanneries .....	A	.50	
34-208	Synthetic Textile Mills .....	A	.50	
36-204	Pulp and Paper Mills .....	A	.50	
45-004	Refined Petroleum Products .....	M	.30	3.00
45-205	Petroleum Refineries .....	A	.50	
46-001	Sales of Paints, Varnishes and Lacquers .....	M	.10	1.00
46-002	Specified Chemicals .....	M	.10	1.00
46-003	Soaps and Synthetic Detergents .....	M	.10	1.00
46-207	Fertilizer Trade .....	A	.50	
46-212	Sales of Pest Control Products by Canadian Registrants .....	A	.25	
46-221	Sales of Toilet Preparations in Canada .....	A	.25	
46-502	Chemical Directory .....	O	1.50	
65-004	Exports by Commodities .....	M	.75	7.50
65-007	Imports by Commodities .....	M	.75	7.50
Special	Sulphuric Acid, Caustic Soda and Chlorine .....	A	.25	

A — Annual

O — Occasional

M — Monthly

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Publications Distribution, Dominion Bureau of Statistics, Ottawa or to the Queen's Printer, Hull, P.Q.

## MANUFACTURERS OF MIXED FERTILIZERS

1965

For statistical purposes the industry titled Manufacturers of Mixed Fertilizers in the revised Standard Industrial Classification covers the operations of establishments primarily engaged in manufacturing superphosphates and mixed fertilizers. Establishments primarily engaged in manufacturing chemicals which, in addition to their use as fertilizer materials, also have important industrial uses, e.g. ammonium nitrate, are classified in the Manufacturers of Industrial Chemicals industry.

Value of shipments and other revenue of the Manufacturers of Mixed Fertilizers industry totalled \$103 million in 1965, an increase of \$11 million over 1964. This amount included shipments of mixed fertilizers valued at \$64 million, shipments of other products of own manufacture (secondary products) valued at \$25 million and other (non-manufacturing revenue) of \$14 million.

This industry's shipments of mixed fertilizers and superphosphates accounted for the major portion of its manufacturing revenue. Secondary products shipped included miscellaneous fertilizer materials, insecticides, etc.

The total cost of materials and supplies, fuel, electricity, etc. used in the production of goods of own manufacture (total inputs) increased by about \$7 million in 1965 from 1964. Cost of materials and supplies, etc. (total inputs) in 1965 represented 76 per cent of the value of shipments of own manufacture (total outputs) unchanged from the same ratio in 1964.

### SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- p preliminary figures.
- r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

TABLE 1. Principal Statistics, 1961-65

Year and province	Establishments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Value of shipments of goods of own manufacture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	Withdrawals	Number	Salaries and wages	
No.		'000			\$'000				\$'000		\$'000		
1961													
<b>Totals</b> .....	43	884	1,975	3,627	719	39,648	54,261	14,426	-	-	1,460	6,691	15,449
1962													
<b>Totals</b> .....	45	950	2,076	3,907	1,036	44,224	59,618	16,142	-	-	1,562	7,267	17,025
1963													
<b>Totals</b> .....	46	953	2,064	4,160	1,063	48,065	67,981	18,413	x	x	1,583	7,630	19,919
1964													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	3	39	89	109	15	2,064	2,298	247	-	-	50	165	287
Nova Scotia .....	3	121	269	497	68	5,682	6,903	1,393	-	-	161	756	1,440
New Brunswick .....	3												
Quebec .....	10	240	529	1,219	163	11,357	15,743	4,151	-	-	398	2,214	4,351
Ontario .....	35	664	1,450	2,882	1,013	39,933	53,758	13,247	-	-	1,102	5,373	15,400
Manitoba .....	1	22	46	102	11	912	1,324	403	x	x	41	193	463
Saskatchewan .....	-												
Alberta .....	-												
British Columbia .....	6												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b> .....	61	1,086	2,382	4,809	1,270	59,948	80,026	19,442	x	x	1,752	8,701	21,941
1965													
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	3	34	88	135	15	2,190	2,874	616	-	-	45	190	627
Nova Scotia .....	3	120	269	499	71	5,452	8,262	2,061	-	-	161	753	2,069
New Brunswick .....	4												
Quebec .....	11	272	561	1,378	188	12,778	17,775	4,854	-	-	424	2,318	5,080
Ontario .....	39	723	1,602	3,353	1,153	43,847	57,303	13,052	-	-	1,240	6,361	15,156
Manitoba .....	2	68	129	295	63	2,048	2,501	688	x	x	98	417	751
Saskatchewan .....	-												
Alberta .....	-												
British Columbia .....	6												
Yukon and Northwest Territories	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b> .....	68	1,217	2,669	5,659	1,491	66,315	88,714	21,271	x	x	1,968	10,038	23,682

TABLE 2. Principal Statistics classified by Size Group based on Value of Shipments of Goods of Own Manufacture, 1964 and 1965

Size group	Estab-lish-ments	Manufacturing activity							Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own man-u-facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages		
No.		'000			'000				'000		'000			
1964														
Under \$10,000 .....	}													
\$ 10,000 to \$ 24,999 .....		6	5	10	12	3	186	216	29	x	x	10	24	50
25,000 " 49,999 .....														
50,000 " 99,999 .....														
100,000 " 199,999 .....		9	27	54	86	13	1,137	1,528	616	-	-	41	160	661
200,000 " 499,999 .....	11	60	135	185	26	2,505	3,157	700	-	-	99	390	946	
500,000 " 999,999 .....	10	90	195	349	78	5,631	7,736	1,962	-	-	203	997	2,039	
1,000,000 " 4,999,999 .....	22	597	1,305	2,495	464	33,303	42,982	10,007	-	-	951	4,479	12,065	
5,000,000 and over .....	3	307	683	1,680	685	17,186	24,407	6,128	-	-	421	2,474	6,198	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	27	177	(19)	
<b>Totals .....</b>	<b>61</b>	<b>1,086</b>	<b>2,382</b>	<b>4,809</b>	<b>1,270</b>	<b>59,948</b>	<b>80,026</b>	<b>19,442</b>	<b>x</b>	<b>x</b>	<b>1,752</b>	<b>8,701</b>	<b>21,941</b>	
1965														
Under \$10,000 .....	}													
\$ 10,000 to \$ 24,999 .....		6	5	10	14	3	184	200	11	x	x	11	34	32
25,000 " 49,999 .....														
50,000 " 99,999 .....														
100,000 " 199,999 .....		7	45	94	163	17	775	1,081	308	-	-	61	244	403
200,000 " 499,999 .....	17	68	164	284	43	4,259	5,388	1,175	-	-	126	564	1,533	
500,000 " 999,999 .....	12	129	258	467	101	6,886	9,347	2,747	-	-	197	831	3,055	
1,000,000 " 4,999,999 .....	23	638	1,405	2,901	559	35,676	47,257	10,941	-	-	1,103	5,537	12,284	
5,000,000 and over .....	3	332	739	1,850	767	18,535	25,441	6,089	-	-	444	2,661	6,342	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	26	167	33	
<b>Totals .....</b>	<b>68</b>	<b>1,217</b>	<b>2,669</b>	<b>5,659</b>	<b>1,491</b>	<b>66,315</b>	<b>88,714</b>	<b>21,271</b>	<b>x</b>	<b>x</b>	<b>1,968</b>	<b>10,038</b>	<b>23,682</b>	

TABLE 3. Principal Statistics classified by Size Group based on Manufacturing Value Added, 1964 and 1965

Size group	Estab-lish-ments	Manufacturing activity							Total activity					
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own man-u-facture	Value added	Working owners and partners		Employees		Value added	
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages		
No.		'000			'000				'000		'000			
1964														
Under \$10,000 .....	}													
\$ 10,000 to \$ 24,999 .....		10	23	56	78	9	991	1,052	81	x	x	40	155	279
25,000 " 49,999 .....		6	24	52	85	20	2,155	2,400	234	-	-	63	236	390
50,000 " 99,999 .....		7	48	90	128	20	1,804	2,128	328	-	-	71	242	406
100,000 " 199,999 .....		8	70	165	254	47	3,360	4,537	1,101	-	-	108	471	1,216
200,000 " 499,999 .....	18	345	728	1,302	273	19,388	25,342	6,183	-	-	528	2,312	7,214	
500,000 " 999,999 .....	8	219	492	1,042	175	12,576	16,552	4,148	-	-	414	2,203	4,846	
1,000,000 " 4,999,999 .....	4	357	799	1,920	726	19,653	26,015	7,367	-	-	501	2,905	7,609	
5,000,000 and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	27	177	(19)	
<b>Totals .....</b>	<b>61</b>	<b>1,086</b>	<b>2,382</b>	<b>4,809</b>	<b>1,270</b>	<b>59,948</b>	<b>80,026</b>	<b>19,442</b>	<b>x</b>	<b>x</b>	<b>1,752</b>	<b>8,701</b>	<b>21,941</b>	
1965														
Under \$10,000 .....	}													
\$ 10,000 to \$ 24,999 .....		5	3	6	8	2	95	125	27	x	x	7	18	45
25,000 " 49,999 .....		9	31	76	116	12	1,862	1,972	135	-	-	55	230	381
50,000 " 99,999 .....		5	18	42	62	13	985	1,172	188	-	-	34	133	259
100,000 " 199,999 .....		6	27	56	87	21	1,591	2,074	454	-	-	45	182	463
200,000 " 499,999 .....	14	160	357	683	132	10,576	12,476	2,050	-	-	272	1,375	2,602	
500,000 " 999,999 .....	17	321	688	1,385	275	14,390	20,377	5,340	-	-	458	2,135	5,561	
1,000,000 " 4,999,999 .....	7	259	566	1,168	219	15,076	19,771	4,787	-	-	442	2,228	5,541	
5,000,000 and over .....	5	398	880	2,150	817	21,740	30,746	8,289	-	-	629	3,622	8,607	
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	26	167	33	
<b>Totals .....</b>	<b>68</b>	<b>1,217</b>	<b>2,669</b>	<b>5,659</b>	<b>1,491</b>	<b>66,315</b>	<b>88,714</b>	<b>21,271</b>	<b>x</b>	<b>x</b>	<b>1,968</b>	<b>10,038</b>	<b>23,682</b>	

TABLE 4. Principal Statistics classified by Size Group based on Total Value Added, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
<b>1964</b>													
Under \$10,000 .....	6	5	10	12	3	186	216	29	x	x	10	24	50
\$ 10,000 to \$ 24,999 .....	8	20	42	65	10	1,281	1,471	216	--	--	34	132	259
25,000 " 49,999 .....	7	48	90	128	20	1,804	2,128	328	--	--	71	242	406
50,000 " 99,999 .....	8	70	172	241	44	3,043	4,020	924	--	--	101	427	1,146
100,000 " 199,999 .....	17	284	618	1,156	242	16,555	21,368	5,085	--	--	476	2,193	5,587
200,000 " 499,999 .....	9	204	454	940	147	11,841	16,258	4,484	--	--	379	1,950	4,565
500,000 " 999,999 .....	6	455	996	2,265	804	25,237	34,564	8,376	--	--	654	3,557	9,946
1,000,000 " 4,999,999 .....	6	455	996	2,265	804	25,237	34,564	8,376	--	--	654	3,557	9,946
5,000,000 and over .....	—	—	—	—	—	—	—	—	--	--	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	27	177	(19)
<b>Totals .....</b>	<b>61</b>	<b>1,086</b>	<b>2,382</b>	<b>4,809</b>	<b>1,270</b>	<b>59,948</b>	<b>80,026</b>	<b>19,442</b>	<b>x</b>	<b>x</b>	<b>1,752</b>	<b>8,701</b>	<b>21,941</b>
<b>1965</b>													
Under \$10,000 .....	4	2	4	5	--	17	38	19	x	x	3	5	19
\$ 10,000 to \$ 24,999 .....	5	12	28	45	7	908	973	55	--	--	23	92	67
25,000 " 49,999 .....	6	13	29	46	9	1,035	1,212	172	--	--	28	122	229
50,000 " 99,999 .....	8	33	72	110	21	1,775	2,193	439	--	--	56	208	585
100,000 " 199,999 .....	11	105	238	409	65	5,564	6,852	1,299	--	--	156	696	1,533
200,000 " 499,999 .....	22	395	853	1,727	354	20,200	26,928	6,210	--	--	605	2,896	7,067
500,000 " 999,999 .....	6	202	463	1,031	179	12,781	16,888	4,270	--	--	356	1,969	4,502
1,000,000 " 4,999,999 .....	6	455	983	2,288	857	24,035	33,629	8,807	--	--	715	3,881	9,647
5,000,000 and over .....	—	—	—	—	—	—	—	—	--	--	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	26	167	33
<b>Totals .....</b>	<b>58</b>	<b>1,211</b>	<b>2,349</b>	<b>5,320</b>	<b>1,491</b>	<b>60,513</b>	<b>88,134</b>	<b>21,271</b>	<b>x</b>	<b>x</b>	<b>1,968</b>	<b>10,038</b>	<b>23,682</b>

TABLE 5. Principal Statistics classified by Size Group based on Total Employed, 1964 and 1965

Size group	Estab- lish- ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec- tricity	Cost of materials and supplies	Value of shipments of goods of own manu- facture	Value added	Working owners and partners		Employees		Value added
		Number	Man- hours paid	Wages					Number	With- drawals	Number	Salaries and wages	
No.		'000			\$'000			\$'000		\$'000			
<b>1964</b>													
Under 5 employed .....	11	15	30	49	9	837	1,074	467	x	x	25	85	526
5 - 14 employed .....	18	100	218	337	69	5,911	8,322	2,328	--	--	148	599	2,471
15 - 49 " .....	21	301	666	1,164	226	17,723	22,760	5,144	--	--	561	2,625	5,770
50 - 99 " .....	8	363	784	1,579	279	18,290	23,462	5,375	--	--	570	2,742	6,995
100 - 199 " .....	3	307	683	1,680	685	17,186	24,407	6,128	--	--	421	2,474	6,198
200 - 499 " .....	—	—	—	—	—	—	—	—	--	--	—	—	—
500 employed and over .....	—	—	—	—	—	—	—	—	--	--	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	27	177	(19)
<b>Totals .....</b>	<b>61</b>	<b>1,086</b>	<b>2,382</b>	<b>4,809</b>	<b>1,270</b>	<b>59,948</b>	<b>80,026</b>	<b>19,442</b>	<b>x</b>	<b>x</b>	<b>1,752</b>	<b>8,701</b>	<b>21,941</b>
<b>1965</b>													
Under 5 employed .....	9	12	26	41	7	682	741	55	x	x	21	86	108
5 - 14 employed .....	24	111	240	389	70	7,455	9,577	2,304	--	--	183	736	2,578
15 - 49 " .....	22	348	774	1,523	289	19,913	26,704	6,198	--	--	562	2,797	7,100
50 - 99 " .....	10	414	891	1,857	357	19,731	26,251	6,624	--	--	732	3,589	7,522
100 - 199 " .....	3	332	739	1,850	767	18,535	25,441	6,089	--	--	444	2,661	6,342
200 - 499 " .....	—	—	—	—	—	—	—	—	--	--	—	—	—
500 employed and over .....	—	—	—	—	—	—	—	—	--	--	—	—	—
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	26	167	33
<b>Totals .....</b>	<b>68</b>	<b>1,217</b>	<b>2,669</b>	<b>5,659</b>	<b>1,491</b>	<b>66,315</b>	<b>88,714</b>	<b>21,271</b>	<b>x</b>	<b>x</b>	<b>1,968</b>	<b>10,038</b>	<b>23,682</b>

TABLE 6. Principal Statistics classified by Type of Organization, 1964 and 1965

Type of organization	Estab-lish-ments	Manufacturing activity							Total activity				
		Production and related workers			Cost of fuel and elec-tricity	Cost of materials and supplies	Value of shipments of goods of own manu-facture	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
No.		'000			'000				'000		'000		
<b>1964</b>													
Individual ownerships .....	} 57	1,041	2,290	4,660	1,233	56,487	74,902	17,799	x	x	1,672	8,328	20,291
Partnerships .....													
Incorporated companies .....													
Co-operatives .....	4	45	92	149	36	3,461	5,124	1,643	-	-	53	196	1,669
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	27	177	(19)
<b>Totals .....</b>	<b>61</b>	<b>1,086</b>	<b>2,382</b>	<b>4,809</b>	<b>1,270</b>	<b>59,948</b>	<b>80,026</b>	<b>19,442</b>	<b>x</b>	<b>x</b>	<b>1,752</b>	<b>8,701</b>	<b>21,941</b>
<b>1965</b>													
Individual ownerships .....	} 63	1,154	2,554	5,443	1,448	62,697	84,068	20,282	x	x	1,866	9,597	22,599
Partnerships .....													
Incorporated companies .....													
Co-operatives .....	5	63	115	217	43	3,619	4,646	989	-	-	76	275	1,051
Head offices, sales offices and auxiliary units .....	...	...	...	...	...	...	...	...	...	...	26	167	33
<b>Totals .....</b>	<b>68</b>	<b>1,217</b>	<b>2,669</b>	<b>5,659</b>	<b>1,491</b>	<b>66,315</b>	<b>88,714</b>	<b>21,271</b>	<b>x</b>	<b>x</b>	<b>1,968</b>	<b>10,008</b>	<b>23,682</b>

TABLE 7. Calculation of Output, Input and Value Added, 1964 and 1965

	Manufacturing activity		Non-manufacturing activities		Total activity	
	1964	1965	1964	1965	1964	1965
\$'000						
<b>Output</b>						
1. Shipments and other revenue .....	80,026	88,714	12,151	13,964	92,177	102,678
Inventories—Goods of own manufacture:						
Add closing—Goods in process .....	6,535	6,369	...	...	6,535	6,369
Finished goods .....	3,714	4,308	...	...	3,714	4,308
Deduct opening—Goods in process .....	5,964	6,734	...	...	5,964	6,734
Finished goods .....	3,650	3,579	...	...	3,650	3,579
2. Net inventory change .....	635	364	...	...	635	364
3. Gross output (1 + 2) .....	80,661	89,078	12,151	13,964	92,612	103,042
<b>Input</b>						
4. Purchases of goods not of own manufacture .....	...	...	10,011	10,994	10,011	10,994
Inventories—Goods not of own manufacture:						
Add opening .....	...	...	410	1,037	410	1,037
Deduct closing .....	...	...	1,026	839	1,026	839
5. Cost of goods sold (not of own manufacture) .....	...	...	9,395	11,192	9,395	11,192
6. Materials, supplies, etc. ....	59,948	66,315	258	362	60,206	66,677
7. Fuel and electricity .....	1,270	1,491	...	...	1,270	1,491
8. Gross input (5 + 6 + 7) .....	61,218	67,806	9,653	11,554	70,871	78,360
Value added (3 - 8) .....	19,442	21,271	2,499	2,410	21,941	23,682



TABLE 8. Employment and Payroll, 1964 and 1965

Year and province	Employees										Salaries and wages				
	Production and related workers				Adminis- trative and office		Sales and distribution		Total		Production and related workers		Admini- strative and office	Sales and distribution	Total
	Manufacturing		Other		Male	Female	Male	Female	Male	Female	Manufac- turing	Other			
	Male	Female	Male	Female											
	number										\$'000				
<b>1964</b>															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	39	-	-	-	8	2	1	-	48	2	109	-	53	3	165
Nova Scotia .....	121	-	-	-	22	5	13	-	156	5	497	-	169	90	756
New Brunswick .....	240	-	2	-	75	19	61	1	378	20	1,219	8	584	403	2,214
Quebec .....	661	3	13	1	204	61	154	5	1,032	70	2,882	46	1,557	889	5,373
Ontario .....	22	-	-	-	9	4	6	-	37	4	102	-	56	35	193
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>1,083</b>	<b>3</b>	<b>15</b>	<b>1</b>	<b>318</b>	<b>91</b>	<b>235</b>	<b>6</b>	<b>1,651</b>	<b>101</b>	<b>4,809</b>	<b>54</b>	<b>2,420</b>	<b>1,419</b>	<b>8,701</b>
<b>1965</b>															
Newfoundland .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	34	-	-	-	8	2	1	-	43	2	135	-	52	3	190
Nova Scotia .....	120	-	-	-	23	5	13	-	156	5	499	-	164	90	753
New Brunswick .....	272	-	1	-	81	23	47	-	401	23	1,378	6	651	283	2,318
Quebec .....	719	4	15	-	236	70	190	6	1,160	80	3,353	52	1,838	1,117	6,361
Ontario .....	68	-	-	-	17	5	8	-	93	5	295	-	83	40	417
Manitoba .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saskatchewan .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alberta .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
British Columbia .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yukon and Northwest Terri- tories .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>1,213</b>	<b>4</b>	<b>16</b>	<b>-</b>	<b>365</b>	<b>105</b>	<b>259</b>	<b>6</b>	<b>1,853</b>	<b>115</b>	<b>5,659</b>	<b>58</b>	<b>2,788</b>	<b>1,533</b>	<b>10,038</b>

TABLE 9. Production and Related Workers, - Manufacturing Activity, 1964 and 1965

Month	1964		1965	
	Male	Female	Male	Female
	number			
<b>Establishments reporting monthly detail (large establishments only):</b>				
January .....	1,005	2	1,168	4
February .....	1,089	3	1,168	4
March .....	1,221	3	1,234	5
April .....	1,526	3	1,616	5
May .....	1,683	3	1,729	5
June .....	1,016	3	1,124	5
July .....	852	3	1,053	3
August .....	863	2	1,030	2
September .....	905	3	1,061	2
October .....	901	3	1,031	2
November .....	933	3	1,087	2
December .....	967	4	1,198	2
Averages .....	1,083	3	1,213	4
<b>Establishments reporting annual averages (small establishments only) .....</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>
<b>Average for all establishments .....</b>	<b>1,083</b>	<b>3</b>	<b>1,213</b>	<b>4</b>

TABLE 10. Inventories, 1965

Province	Manufacturing				Non-manufacturing	Total inventories
	Materials, supplies, etc.	Goods in process	Finished goods of own manufacture	Total	Products or materials purchased for resale	
book value \$'000						
Opening:						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	505	-	248	753	15	768
Nova Scotia .....	1,285	1,241	227	2,753	64	2,817
New Brunswick .....						
Quebec .....	2,423	680	668	3,770	109	3,879
Ontario .....	5,562	4,696	2,388	12,647	779	13,426
Manitoba .....	159	117	48	324	70	393
Saskatchewan .....						
Alberta .....						
British Columbia .....	-	-	-	-	-	-
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals</b> .....	<b>9,934</b>	<b>6,734</b>	<b>3,579</b>	<b>20,247</b>	<b>1,037</b>	<b>21,284</b>
Closing:						
Newfoundland .....	-	-	-	-	-	-
Prince Edward Island .....	526	126	69	722	12	734
Nova Scotia .....	1,165	457	334	1,956	45	2,001
New Brunswick .....						
Quebec .....	2,248	555	837	3,640	93	3,733
Ontario .....	6,411	5,063	2,772	14,246	604	14,850
Manitoba .....	163	168	295	626	84	710
Saskatchewan .....						
Alberta .....						
British Columbia .....	-	-	-	-	-	-
Yukon and Northwest Territories .....	-	-	-	-	-	-
<b>Totals</b> .....	<b>10,513</b>	<b>6,369</b>	<b>4,308</b>	<b>21,190</b>	<b>839</b>	<b>22,028</b>

TABLE 11. Purchased Fuel and Electricity Used, 1964 and 1965

Description	1964		1965		
	Quantity	Cost	Quantity	Cost	
		\$'000		\$'000	
<b>1. Large establishments reporting commodity detail:</b>					
Bituminous coal:					
(a) From Canadian mines .....	ton	927	11	1,277	16
(b) Imported .....	"	247	4	286	4
Sub-bituminous coal (from Alberta mines only) .....	"	-	-	-	-
Anthracite coal .....	"	-	-	-	-
Lignite coal .....	"	-	-	-	-
Coke .....	"	-	-	-	-
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	490,590	146	479,991	164
Fuel oil including kerosene or coal oil .....	"	1,775,741	176	1,867,144	186
Wood .....	cord	-	-	-	-
Gas:					
(a) Liquefied petroleum gases .....	Imp. gal.	22,170	5	56,159	17
(b) Other manufactured gas .....	M cu. ft.	-	-	-	-
(c) Natural gas .....	"	556,984	371	773,016	478
Other fuel .....		-	-	-	-
Electricity purchased .....	kwh.	45,891,110	487	51,365,861	555
Steam purchased .....		...	69	...	70
<b>2. Small establishments not reporting commodity detail:</b>					
Estimate for fuel and electricity .....		-	-	-	-
<b>3. All establishments:</b>					
<b>Total fuel and electricity used</b> .....		...	<b>1,270</b>	...	<b>1,431</b>

TABLE 12. Materials and Supplies - Manufacturing Activity, 1964 and 1965

Description	1964		1965	
	Quantity	Cost	Quantity	Cost
	tons	\$'000	tons	\$'000
<b>1. Materials used:</b>				
Ammonia, anhydrous .....	14,812	1,385	20,730	1,843
Ammonium nitrate .....	17,792	1,307	13,226	1,025
Ammonium phosphate .....	26,585	1,800	54,078	4,501
Ammonium sulphate (sulphate of ammonia) .....	42,825	1,662	42,744	1,755
Borax .....	311	33	178	20
Calcium cyanamide (cyanamid) .....	44	3	41	3
Limestone .....	48,649	252	50,179	295
Lime or land plaster .....	10,973	146	7,280	98
Magnesium oxide (all forms, including brucite, mag 70, etc.) .....	1,574	59	2,966	110
Magnesium sulphate .....	85	6	165	9
Nitrogen solutions .....	78,244	4,881	69,609	4,468
Phosphate rock .....	532,759	8,119	561,003	8,605
Potassium chloride (muriate of potash) .....	202,690	8,300	205,898	8,471
Potassium nitrate (nitrate of potash) .....	77	10	75	10
Potassium sulphate (sulphate of potash) .....	16,840	862	19,774	998
Potassium magnesium sulphate (sulphate of potash magnesia) .....	4,732	176	6,245	212
Sand .....	19,486	45	24,083	70
Sodium nitrate (nitrate of soda) .....	49	4	30	2
Sulphuric acid, 100% .....	362,883	5,003	404,095	5,831
Superphosphate:				
22% or less P <sub>2</sub> O <sub>5</sub> .....	356,610	8,197	363,263	8,231
More than 22% P <sub>2</sub> O <sub>5</sub> .....	93,753	5,229	81,771	4,801
Ammoniated .....	41,685	2,373	38,134	2,098
Urea .....	4,887	446	8,138	762
All other materials and components used <sup>1</sup> .....	...	4,287	...	6,387
<b>2. Containers and other packaging materials and supplies used .....</b>	...	3,166	...	3,362
<b>3. Operating, maintenance and repair supplies used (excluding fuel) .....</b>	...	2,059	...	2,317
<b>4. Amount paid out to others for work done on materials owned by establishments .....</b>	...	138	...	32
<b>Totals .....</b>	...	<b>59,948</b>	...	<b>66,315</b>

<sup>1</sup> No detailed information on materials used was collected from small establishments, the estimated costs for which are included here. These estimated costs were \$180,000 in 1964 and \$563,892 in 1965.

TABLE 13. Shipments of Goods of Own Manufacture, 1964 and 1965

Description	1964		1965	
	Quantity	Value	Quantity	Value
	tons	\$'000	tons	\$'000
<b>1. Products:</b>				
Mixed fertilizers .....	990,086	59,707	1,002,460	64,205
Superphosphates, milled and screened only .....	26,554	1,004	30,665	1,352
Ammonium sulphate, milled and screened only .....	351	25	841	57
Muriate of potash, milled and screened only .....	6,712	466	5,606	301
All other products (including superphosphates) .....	...	19,493	...	23,357
<b>2. Amount received in payment for work done on materials and products owned by others .....</b>	...	1	...	72
<b>Less adjustment for value of sales taxes, excise duties and outward transportation charges which could not be deducted from individual commodity items described above .....</b>	...	(670)	...	(631)
<b>Net adjustment for establishments receiving progress payments .....</b>	-	-	-	-
<b>Total adjusted value of shipments and work done .....</b>	...	<b>80,026</b>	...	<b>88,714</b>

**TABLE 14. Shipments of Selected Goods of Own Manufacture - All Industries, 1956 - 65**  
(Includes shipments from other industries which manufacture, as a secondary activity, the commodities listed)

**A. Mixed Fertilizers**

Year	Quantity	Value
	'000 tons	\$'000
1956	703	34,408
1957	723	37,026
1958	752	40,001
1959	757	41,498
1960	791	42,739
1961	871	49,344
1962	887	50,117
1963	927	55,855
1964	1,033	62,484
1965	1,043	66,634

**B. Factory Shipments and Imports of Ammonium Sulphate**

Year	Factory shipments	Imports
	tons	
1956	339,510	3,144
1957	318,634	3,288
1958	300,049	5,892
1959	307,121	5,961
1960	349,677	8,686
1961	278,527	9,340
1962	291,683	14,361
1963	257,581 <sup>†</sup>	14,269
1964	286,439	17,628
1965	312,632	15,471

**TABLE 15. Total Sales<sup>1</sup> in Canada of Fertilizer Materials and Mixed Fertilizers, for the Years Ended June 30, 1957 - 66**

Year ended June 30	Fertilizer materials	Mixed fertilizer	Total sold in Canada
	tons (2,000 pounds)		
1957	156,497	651,754	808,251
1958	181,973	688,566	870,539
1959	218,661	689,553	908,214
1960	243,720	691,708	935,428
1961	297,730	779,682	1,077,412
1962	344,800	799,200	1,144,000
1963	448,097	808,744	1,256,841
1964	609,580	844,752	1,454,332
1965	685,388	908,205	1,593,593
1966	910,089	1,007,775	1,917,864

<sup>1</sup> Except for manufacturing purposes.

**Note:** A special survey of the fertilizer trade in Canada during the fertilizer year ended June 30, 1966 has been completed by the Dominion Bureau of Statistics and the results have been published in a special report, "Fertilizer Trade", copies of which are available on application to the Information Services Division of the Dominion Bureau of Statistics.

List of Establishments classified to this Industry, 1965

(Does not include establishments classified to other industries, which as a secondary activity, manufacture products typical of this industry)

Name	Location
<b>Prince Edward Island:</b>	
Island Fertilizer Ltd. ....	Charlottetown
Canada Packers Limited .....	Summerside
Prima Fertilizers .....	Kensington
<b>Nova Scotia:</b>	
Canadian Industries Limited .....	Pier 9, Halifax
Canada Packers Limited .....	Nesbit St., Windsor
Fundy Fertilizers .....	Steam Mill
<b>New Brunswick:</b>	
Canada Packers Limited .....	Bayside Drive, East Saint John
International Fertilizers Limited .....	Courtenay Bay, Saint John
Les Engrais Chimiques Excellent Ltée .....	Drummond
Summers Fertilizers Co. Inc. ....	Prince William St., St. Stephen
<b>Quebec:</b>	
Agricultural Chemicals Ltd. ....	Fort Chambly
Canada Packers Limited .....	6000 St. Patrick St., Montreal
Canada Packers Limited .....	Ste-Foy
Canadian Industries Limited .....	McMasterville and Montreal
Houde, William, Limited .....	La Prairie
International Fertilizers Limited .....	Wolfe's Cove, Sillery
Les Engrais Chimiques Maska .....	Ste-Rosalie
Les Engrais Albatros Ltd. ....	St-Arsène
Les Engrais Idéal Ltée .....	St-Rémi
Les Engrais Payson Ltd. ....	L'Assomption
Les Fertilisants Organiques au Québec Inc. ....	Ste-Foy
<b>Ontario:</b>	
Agricultural Chemicals Ltd. ....	Orangeville
Agricultural Chemicals Ltd. ....	London
Burford Fertilizer and Chemical Co. Ltd. ....	Aurora
Burford Fertilizers Ltd. ....	Burford
Canada Packers Limited .....	Richmond St. W., Chatham
Canada Packers Limited .....	2200 St. Clair Ave. W., Toronto
Canada Packers Limited .....	Welland
Canadian Industries Limited .....	King St. E., Chatham
Canadian Industries Limited .....	Burlington St. E., Hamilton
Canadian Industries Limited .....	Norwich and Ingersoll
Dale, Ralph, Fertilizers Ltd. ....	R.R. 2, Richmond
Electric Reduction Co. of Canada Ltd. ....	Port Maitland
Elmira Fertilizers Ltd. ....	Elmira
Golden Sunshine Fertilizer Co. Ltd. ....	Essex
Harriston Fertilizers Ltd. ....	Harriston
Harriston Fertilizers Ltd. ....	Walkerton
Huron Fertilizers Ltd. ....	250 University Ave., Toronto
International Fertilizers Limited .....	Cornwall
Kent County Fertilizers Ltd. ....	Ridgetown, Blenheim, Tupperville
Lowrie Fertilizers Ltd. ....	Mount Albert
Manchester Products Limited .....	Gait
Misner Fertilizer Limited .....	Port Dover
"Na-Churs" Plant Food, (Canada) Ltd. ....	2 Langarth St. W., London
Ontario Plant Foods Ltd. ....	Delhi
R.A.M. Fertilizer Ltd. ....	Courtland
Rainbow Chemicals Ltd. ....	Tilbury
Scotch Fertilizers Ltd. ....	Ailsa Craig
Scotch Fertilizers Ltd. ....	Kerwood
Shakespeare Fertilizers Ltd. ....	Shakespeare
Swift Canadian Co. Ltd. ....	1400 The Queensway, Toronto
Swift Canadian Co. Ltd. ....	Thamesville
Top Value Fertilizers Ltd. ....	McGregor
United Co-operatives of Ontario .....	Tillsonburg
United Co-operatives of Ontario .....	4004 Dundas St. W., Toronto
United Co-operatives of Ontario .....	Stratford
United Co-operatives of Ontario .....	Thamesville
United Co-operatives of Ontario .....	Kemptville
<b>Manitoba:</b>	
Bard Fertilizer Ltd. ....	710 Pembina Hwy., Winnipeg
Border Fertilizer Ltd. ....	Springfield
<b>British Columbia:</b>	
Burns and Co. Ltd. ....	Foot of Woodland Drive, Vancouver
Quish Treat Fertilizer Products .....	North Surrey
Globe Fertilizer Co. Ltd. ....	Foot Crompton Road, Vancouver
Green Valley Fertilizer and Chemical Co. Ltd. ....	North Surrey
Old Gardener Products Ltd. ....	2060 West 10th Ave., Vancouver
Seay, Michael .....	Foot of Crompton Rd., Vancouver

# CONCEPTS AND DEFINITIONS

## Census of Manufactures

### General

The Census of Manufactures is an annual mail survey covering Canada's Manufacturing Industries. It is based on the Standard Classification of Industries and full details concerning the system may be found in the Standard Industrial Classification manual, Catalogue No. 12-501 which is available from the Queen's Printer or the Dominion Bureau of Statistics. In summary, the Classification as it relates to the manufacturing industries provides for a breakdown into 140 industries arranged in 20 major industry groups. Of the 140 (3 digit) industries, 18 are further broken down into 55 (4 digit) sub classes. At the Canada level, principal statistics are collected and compiled for 176 separate industries. They cannot all be published separately by province, however, because of the confidential nature of the data in certain provinces.

The reporting unit for the Census is designated as the **establishment** (see definition of "Establishment" in following section) and a return is requested from every establishment classified to a manufacturing industry. Although respondents are required to submit reports covering the calendar year, financial year reports other than the calendar year are accepted in instances where respondents find it impossible to supply calendar year data from accounting records. When an establishment is operated for only part of a year a report is required covering the period of operation.

There are four different questionnaires used in the Census of Manufactures; (a) short form (b) long form (c) head office questionnaire and (d) commodity questionnaire. The short and long forms are used to obtain principal statistics and commodities shipped from establishments classified to manufacturing industries and differ only in the amount of detail requested. The short form is a single-sheet questionnaire sent to small manufacturers generally reporting shipments of less than \$100,000; this cut-off, however, varies somewhat between industries. The head office questionnaire is generally used for company head offices and/or auxiliary units separately located from the manufacturing establishment(s), (see following notes on Head offices and auxiliary units). The Commodity questionnaire is used to survey certain establishments which are coded (on the basis of their principal activity) to industries other than manufacturing in the Standard Industrial Classification system, but which undertake some manufacturing as a subsidiary activity. This single-sheet questionnaire is designed to collect information on the quantity and value of goods of own manufacture shipped by such establishments in order to achieve full coverage of domestically manufactured commodities (see the following note under Shipments).

The results of the Census are presented in some 135 publications. In addition to these annual industry publications there are annual summary reports for Canada and the provinces and special reports giving principal statistics by detailed geographic areas, by type of ownership and size of establishment. A special annual report covering the shipments of all manufactured commodities arranged in alphabetical order is also published.

Since 1960 the following major changes have been implemented in the Census of Manufactures; (a) a revised Standard Industrial Classification (b) a new establishment definition and (c) an extension of the establishment definition to cover the non-manufacturing activities of manufacturing establishments. The statistics presented in the reports reflect the complete implementation of these changes and enable comparisons to be made back to and including 1961. For a complete description of the procedures followed in establishing the revised series, reference should be made to the Explanatory Notes included in the 1960, 1961 and 1962 industry publications. The statistical framework within which the Census of Manufactures is now carried out is based on the following concepts and definitions which have been developed as part of a general programme to achieve a fully integrated system of economic statistics.

### Establishment

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing activities. The majority of such establishments are firms but many firms have more than one establishment. Such firms are requested to submit a separate Census of Manufactures report for each manufacturing establishment which can meet the reporting requirements embodied in the following definition of the "establishment":

"The smallest unit which is a separate operating entity capable of reporting the following principal statistics:

- Materials and supplies used
- Goods purchased for resale as such
- Fuel and power consumed
- Number of employees and salaries and wages
- Man-hours worked and paid
- Inventories
- Shipments or sales."

Each establishment is required to report on all the activities carried out within its accounting boundaries (except income from investments such as rent, interest and dividends) and data on the different activities (manufacturing, trading in goods not of own manufacture, construction by own labour

force, revenue from services, etc.) are requested to be reported separately. It should be noted that the statistics for separate activities are not completely consistent since some respondents cannot distinguish, in their records, materials, shipments and inventories relating solely to their own manufacturing activities. For example, inventory of goods purchased for re-sale may not be distinguishable from inventory of own manufactured goods. Complete consistency, therefore, can be obtained only at the "all operations" (total activity) level and for studies or statistical measures requiring accurate coordinated data, the "total" statistics should be used.

The number of establishments represents the number of operating units that are principally engaged in the activities of the manufacturing industries to which they have been classified. These units do not necessarily represent the total number engaged in the production of a commodity mainly produced in a certain industry. Some commodities are produced as secondary products in other manufacturing and non-manufacturing industries. It should be noted that head offices and auxiliary units which are surveyed separately are not included in the establishment count, (see following notes on head offices and auxiliary units).

#### **Head Offices and Auxiliary Units**

All head offices and auxiliary units of companies classified to the manufacturing industries such as sales offices, administrative offices, warehouses, laboratories, etc. are now surveyed as part of the Census of Manufactures.

These head offices and auxiliary units are either included in an establishment report or are surveyed by means of the head office questionnaire. The former is the most common case where a single establishment firm has its executive personnel, sales office, etc. located at the site of the manufacturing plant (establishment). The special head office questionnaire is generally used where a firm, regardless of the number of establishments, has separately located offices or auxiliary units. Such offices or units do not constitute establishments within the Census of Manufactures as they do not normally generate operational revenues, but give rise only to costs of operations (mainly salaries and wages) which are automatically included in the value of shipments or sales. Although not considered as establishments, and hence, not included in the "establishment" count for an industry, the operational costs are reflected in either the "Industry" statistics (3 or 4 digit level) or the "Major group" statistics (2 digit level) according to the following rules:

(a) In the case of single establishment firms, statistics for separately located offices and units are classified to the same industry (3 or 4 digit) as the establishment;

(b) In the case of multi-establishment firms, the statistics for such offices and units are coded to the same industry as the establishments of the firm, when all establishments are in the same industry (3 or 4 digit). When establishments of

such firms are coded (1) to different industries within a major group, (2) to industries in different major groups or (3) to industries in different divisions of the Standard Industrial Classification, then the statistics are included in the major group totals (2 digit level) in which the major part of the company's operations are classified. Although this may result in some distortion of major group statistics in the case of (2) and (3) the statistics at the industry (3 or 4 digit) level in all cases will be left free of these company-wide data.

#### **Employees**

##### **(a) Production and related workers – Manufacturing activities**

In addition to those engaged in production and assembling activities, they include those employed in storing, inspecting, handling, packing, warehousing, etc. They also include employees engaged in maintenance, repair, janitorial and watchman services and line supervisors (working foremen) engaged in similar work to that of the employees they supervise. For those establishments reporting on the "long" form, production and related workers engaged in manufacturing activity are reported as those receiving pay during the last pay period of each month, an average for the year being obtained by summing the monthly figures and dividing by 12. This procedure is followed even though the establishment did not operate in all months in order to arrive at equivalent annual full-time employment. The numbers are somewhat affected by turnover, in that employment is overstated when an employee changes employment during a pay period. In the case of those establishments reporting on the "short" form, respondents are requested to report average annual figures. The man-hours of production and related workers in manufacturing activity represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). Data on man-hours are not collected from establishments reporting on the short form. Man-hours for these establishments are estimated on the basis of ratios derived from the 1958 census. During this census all establishments reported on the long form. In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour and which are based on selected occupations.

##### **(b) Production and related workers – Non-manufacturing activities**

Such employees include those on manufacturing establishments' payrolls engaged in activities such as construction undertaken for the use of these establishments, some outside piece-workers employed in certain industries, logging employees who are reported as part of a sawmilling establishment and any other production workers who are not engaged in manufacturing-type operations.

### (c) Administrative and office employees

This category includes all executive and supervisory officials such as presidents, vice-presidents, comptrollers, secretaries, treasurers, etc., together with managers, professional, technical and research employees, superintendents and factory supervisors above the line supervisor or working foreman level, and clerical staffs. Also included are employees in activities such as advertising, credit collections, purchasing, personnel, legal, medical, etc. It should be noted that prior to 1961 this category also included working owners and partners. Also included in this category are employees located at head offices or auxiliary units separately located from the establishment; these are generally included in the figures for the province in which they are located according to the rules outlined under "Head offices and auxiliary units" above.

### (d) Sales and distribution workers

This category includes office personnel whose salaries are charged to selling expense, travelling salesmen, driver salesmen, truckdrivers and their helpers, etc. It may also include some sales employees who are reported as part of a manufacturing establishment but are not working at the establishment's location. These are generally broken down by province in cases where more than 15 employees are involved in any one province. The figures exclude persons working on a commission basis who are not considered regular employees of the establishment.

### (e) Total Employees

This total comprises the foregoing categories including employees located at separately located head offices and auxiliary units. The numbers of employees included under categories (b), (c) and (d) are reported in the form of annual averages and represent as closely as possible full time employment; adjustments are made when reported figures indicate the existence of part time or seasonal employment. In all the above categories, figures on employment refer to the calendar year whether or not other establishment statistics can only be reported on a fiscal year other than the calendar year.

### Working Owners or Partners

These are not now included in the statistics of employees and salaries and wages. There is some duplication in numbers when a person owns more than one establishment and is reported as a working owner on each Census return. Withdrawals of working owners are defined as amounts withdrawn by owners or partners for normal living expenses excluding withdrawals for payment of income tax.

### Salaries and Wages

Salaries and wages refer to gross earnings of employees before deductions for income tax and employees contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages,

bonuses, profits shared with employees, the value of room and board where provided, commissions (paid to regular employees only) as well as any other allowance forming part of the worker's earnings. Payments for over-time are included. Figures on salaries and wages refer to the calendar year.

### Fuel and Electricity

Figures for fuel refer to amounts actually used (including fuel used in cars, trucks, locomotives, etc.), not to purchases unless the quantities are substantially the same. **Any fuel and electricity produced by establishments for internal consumption are not included in the total cost.** Values represent laid down cost at the establishment including freight, duty, etc. Although fuel and electricity used is considered part of manufacturing activity it should be noted that it also includes relatively small amounts used in non-manufacturing activities since these cannot be reported separately.

### Materials and Supplies

#### (a) Manufacturing activities

Figures represent quantities and laid down cost values, at the establishment, of materials, supplies and purchased components owned and used during the year in manufacturing activities and related processes. These statistics represent only commodity items or physical goods (cost of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Included are maintenance and repair supplies not chargeable to fixed assets accounts and any amounts charged by other establishments for work done on materials owned by the reporting establishment. Cost of repairs or maintenance done by outside contractors and cost of returnable containers are not included.

#### (b) Non-manufacturing activities

##### 1. Purchases for re-sale as such

Figures represent cost of materials or products purchased from others by the reporting establishment (or received as transfers from other establishments of the reporting company) for re-sale as such in the same condition as purchased. Included are any finished products received on consignment from other countries.

##### 2. Other materials and supplies used

Figures represent the cost of materials and supplies, if any, used in new construction and in the production of machinery and equipment (for the use of the reporting establishment) by the establishment's own employees. Included are materials used for any capital repairs and alterations carried out by the establishment's employees. Amounts paid to outside contractors for construction and repair work are not included nor is the cost of



purchased machinery and equipment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment-operated cafeterias and lunch counters, first aid and medical supplies, laboratory supplies, etc.

## Shipments

### (a) General

The figures represent revenue from all production, sales, services and related activities of reporting establishments with shipments valued in Canadian dollars at the point at which the establishment relinquishes control. The unsold portion at year end of consignment shipments in Canada is treated as inventory and not as shipments but all shipments to foreign countries for which the form B13 "Customs Canada Export Entry" has been completed, are treated as shipments.

In those industries where work on principal products extends over a relatively long period, (Fabricated Structural Metal Industry, Aircraft and Parts Manufacturers, Railroad Rolling Stock Industry and Shipbuilding and Repair Industry) the value of production rather than the value of shipments is recorded. There are certain establishments in other industries which also operate on a basis of progress payments. For these establishments, shipments are also adjusted to work put in place on the basis of the net change in progress payments over the year.

### (b) Shipments of goods of own manufacture

These figures represent 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 establishments for work done. Included are revenue from repair and custom work, amounts received in payment for work done on materials owned by other establishments and the cost (book value) of any goods shipped on a rental basis.

All products and by-products of own manufacture shipped from the establishment are covered, including transfer shipments to sales outlets, distributing warehouses or to other manufacturing plants of the reporting firm, when such units are treated as separate establishments. The value of shipments are net of returned goods, discounts, returns, allowances, sales tax and excise taxes and duties, returnable containers and charges for outward transportation by common or contract carriers. Transportation or delivery expense incurred by the reporting establishment's own carriers are included.

Shipments of goods of own manufacture of establishments which are coded to some other division of the Standard Industrial Classification (on the basis of principal activity) but which are engaged in manufacturing as a subsidiary activity

are collected by means of the Commodity questionnaire referred to earlier. Such shipments together with shipments of goods of own manufacture of establishments forming the universe of manufacturing industries are compiled and recorded in the various industry publications.

### (c) Shipments of goods not of own manufacture

These figures represent the net selling value at establishment (net of discounts, returns, allowances, sales taxes and excise duties and taxes and transportation charges by common or contract carriers) of all products or materials (including products transferred from other establishments of the reporting firm) sold as such in the same condition as purchased or received as transfers. For those industries which ship such goods on a rental basis, the value of shipments represents the book value of these goods. All sales of consignment goods from other countries are included.

### (d) Other revenue

Figures represent the book value of fixed assets, if any, (new construction and machinery and equipment including major repairs, alterations, additions, modifications, installation and assembly work) produced during the year for the use of reporting establishments by the establishment's own employees and for which depreciation accounts are maintained. Included also are any revenues from the sale of electricity and from any operations performed by the establishment's own employees, such as revenue from goods produced or purchased for rental (the book value of such goods are included as part of shipments of goods of own manufacture or shipments of goods not of own manufacture), servicing revenues, commissions on sales (when not included in value of sales), revenue for company-operated cafeterias and lunch counters and revenue from outside installation or construction work not related to the establishment's own products, sale of used materials (excluding sale of used fixed assets) research and development work, etc. As mentioned previously the figures do not include non-operating revenue such as rent, dividends, interest, etc.

## Inventories

### (a) Manufacturing activities

Values represent the book values of manufacturing inventory owned in Canada. Inventories held for which progress payments have been received are not included. Where progress payment accounts are maintained, the change in these accounts is treated as a net adjustment to shipments. Figures consist of inventory owned at the plant and at warehouses or selling outlets which are treated as extensions of establishments for the purpose of reporting shipments. Inventory owned in transit in Canada or on consignment in Canada is included. Goods shipped abroad and held in inventory are included in shipments. Opening inventories may differ from the closing inventories of the previous year because of changes in classification, the

receipt of revised data, the inclusion of new establishments and the removal of establishments which did not operate during the survey year.

**(b) Non-manufacturing activities**

Figures represent the book value of inventory of goods purchased for re-sale as such without further processing, owned by the reporting establishments and held at plants and at any warehouses or selling outlets which are treated as extensions of establishments. Other characteristics are the same as in (a) above.

**Value Added**

**(a) By manufacturing activities**

Figures are compiled by deducting the cost of manufacturing materials, supplies, etc. and fuel and electricity consumed from the (value of shipments of goods of own manufacture adjusted for changes in the value of inventories of finished goods and goods in process).

**(b) By non-manufacturing activities**

The figures are compiled by deducting the cost of goods purchased for re-sale (adjusted for changes in the value of inventories of goods pur-

chased for re-sale) and the cost of non-manufacturing materials and supplies used from the value of shipments of goods not of own manufacture, plus other revenue.

**(c) By Total activities**

The figures consist of value added by manufacturing activities plus value added by non-manufacturing activities. This total value added figure may, in some cases, be less than value added by manufacturing activities as a result of expenditures associated with non-manufacturing exceeding revenues from such activities or because of a decrease in inventory of goods not of own manufacture exceeding the mark-up on the sale of such goods. "Value added" is sometimes referred to as net output or net production. However, to arrive at the National Accounts concept of net production, or Gross Domestic Product at "Factor cost" it would be necessary to subtract also the cost of advertising, insurance and other business expenses which are not collected as part of the annual Census of Manufactures. "Value added" figures for the primary industries, manufacturing and construction are published in DBS publication Catalogue No. 61-202, "Survey of Production".



STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010649759