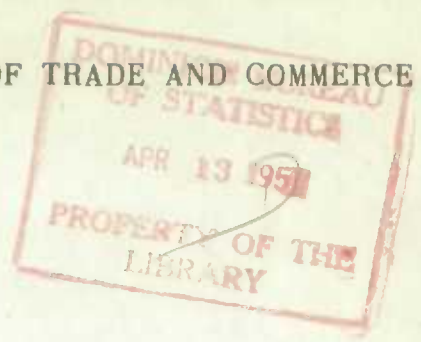


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DOMINION BUREAU OF STATISTICS - DEPARTMENT OF TRADE AND COMMERCE
CANADA



THE FERTILIZER MANUFACTURING INDUSTRY
1949

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NOTICE

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

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

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

The present report belongs in Group XVIII. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A General Review
- B The Acids, Alkalies and Salts Industry
- C The Fertilizers Industry
- D The Fertilizer Trade in Canada
- E The Medicinal and Pharmaceutical Preparations Industry
- F The Paints, Varnishes and Lacquers Industry
- G The Primary Plastics Industry
- H The Soaps, Washing Compounds and Cleaning Preparations Industry
- I The Toilet Preparations Industry
- J The Vegetable Oil Industry
- K The Inks Industry
- L The Adhesives Industry
- M The Polishes and Dressings Industry
- N The Compressed Gases Industry
- O The Coal Tar Distillation Industry
- P The Miscellaneous Chemical Products Industry

THE FERTILIZER MANUFACTURING INDUSTRY

1949

Production by factories in Canada which were engaged principally in the manufacture of fertilizers was valued at \$67,428,067 in 1949 compared with \$63,986,427 in 1948. In addition, there was a production of 227,281 tons of cyanamid, ammonium sulphate, mixed fertilizers and fish fertilizers valued at \$9,991,139 in 1949, and 236,187 tons at \$10,068,616 in 1948, by establishments which were classified to other industrial groups. The quantity of fish used as fertilizer in 1949 amounted to 49,730 barrels valued at \$46,411.

Thirty-two plants were occupied chiefly in the manufacture of fertilizers in 1949, there being 13 in Ontario, 5 in British Columbia, 5 in Quebec, 3 in New Brunswick, 3 in Nova Scotia, 2 in Prince Edward Island and 1 in Alberta. The average number of workers increased from 3,169 in 1948 to 3,269 in 1949, while total salaries and wages increased from \$8,015,656 to \$9,004,943.

Total production of mixed fertilizers in 1949 from all industries amounted to 661,081 tons worth \$24,793,712 at factory prices and included 655,800 tons at \$24,500,334 made by plants in the fertilizer manufacturing industry and 5,281 tons at \$293,378 made in the meat packing, oils and fats, adhesives and prepared feeds industries. In 1948 the corresponding total was 650,228 tons at \$22,738,212 and in 1947 it was 673,782 tons at \$21,997,580.

Superphosphate was manufactured in 1949 by Canadian Industries Limited at McMasterville, Quebec; Hamilton, Ontario; and New Westminster, British Columbia. Ammonium nitrate (fertilizer grade) was manufactured in 1949 by the North American Cyanamid Limited, at Welland, Ontario, and by the Consolidated Mining and Smelting Company of Canada, Limited, at Trail, British Columbia and at Calgary, Alberta. The output figures are not published separately since there was only one producer in the case of the former and only two in the case of the latter.

Ammonium Sulphate was made by the Consolidated Mining and Smelting Company of Canada, Limited, at Trail, British Columbia, and also by the following coke manufacturers: Algoma Steel Corporation Limited, at Sault Ste. Marie, Ontario; Dominion Steel and Coal Corporation, Ltd., at Sydney, Nova Scotia; Hamilton By-Product Coke Ovens, Limited, at Hamilton, Ontario; Montreal Coke and Manufacturing Company, at Montreal, Quebec, and the Steel Company of Canada, Limited, at Hamilton, Ontario. Production during the calendar year 1949 amounted to 225,949 tons; imports totalled 140 tons, and exports amounted to 167,147 tons. Ammonium phosphate was made only by the Consolidated Mining and Smelting Company of Canada, Limited, at Trail, British Columbia.

A special survey of the fertilizer trade in Canada during the fertilizer year ended June 30, 1950 has been completed by the Dominion Bureau of Statistics, and the results have been published in a special report. Summary figures on the sales of fertilizers have been reprinted in Tables 6-9 of this bulletin. A total of 764,581 tons of mixtures and materials were sold in Canada during the year ended June 30, 1950, compared with 741,726 tons during the preceding twelve-month period.

TABLE 1. Principal Statistics of the Fertilizer Manufacturing Industry, 1945-1949

Year	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1945.....	26	2,146	4,418,916	1,116,081	18,708,175	34,505,756
1946.....	29	2,805	5,929,796	3,232,099	22,865,328	49,992,443
1947.....	31	3,258	7,283,119	2,465,076	27,417,467	58,784,345
1948.....	33	3,169	8,015,656	2,227,565	30,043,381	63,986,427
1949.....	32	3,269	9,004,943	1,772,400	31,671,468	67,428,067
Per cent change 1949 from 1948		+3.2	+12.3	-20.4	+5.4	+5.4

Note. Profits or losses cannot be calculated from the above figures as data are not available for general expense items, such as interest, rent depreciation, taxes, insurance, advertising, etc.

TABLE 2. Principal Statistics, by Provinces, 1948 and 1949

Province	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1948						
Prince Edward Island.....	2	141	231,395	19,769	3,099,602	4,070,075
Nova Scotia	3					
New Brunswick.....	3	157	340,641	47,131	3,444,950	4,514,023
Quebec	5	268	572,107	48,817	4,400,967	6,645,337
Ontario	13	914	2,190,716	817,185	9,417,926	17,618,525
Alberta	1	1,689	4,680,797	1,294,663	9,679,936	31,138,467
British Columbia.....	6					
Canada	33	3,169	8,015,656	2,227,565	30,043,381	63,986,427
1949						
Prince Edward Island.....	2	130	239,139	19,156	3,168,666	3,953,791
Nova Scotia	3					
New Brunswick.....	3	127	318,375	50,656	3,404,960	4,323,970
Quebec	5	413	1,121,718	55,274	5,036,632	6,857,608
Ontario	13	858	2,242,863	847,699	10,190,021	19,007,883
Alberta	1	1,741	5,082,848	799,615	9,871,189	33,284,815
British Columbia.....	5					
Canada	32	3,269	9,004,943	1,772,400	31,671,468	67,428,067

TABLE 3. Products of the Fertilizer Manufacturing Industry, Calendar Years, 1948 and 1949

Product	1948		1949	
	Quantity	Selling value at works	Quantity	Selling value at works
	Tons	\$	Tons	\$
Mixed fertilizers	641,056	22,220,008	655,800	24,500,334
Superphosphate, ammonium nitrate (fertilizer grade), ammonium phosphate and ammonium sulphate (completely manufactured)	828,118	39,364,348	845,676	40,997,244
Superphosphate, milled and screened only:				
16% - 18%	402	9,012	247	7,323
20%	13,633	373,166	10,622	311,392
Ammonium sulphate, milled and screened only	1,364	61,372	448	24,817
Muriate of potash, milled and screened only:				
50%	415	24,364	284	14,718
60%	1,415	78,595	1,800	110,737
Nitrate of soda, milled and screened only	-	-	23	1,898
All other products	-	1,855,562	-	1,459,604
Total	-	63,986,427	-	67,428,067

1. Ammonium nitrate (fertilizer grade) is manufactured in Canada by two companies only; superphosphate, ammonium phosphate and ammonium sulphate are manufactured by only one company in this industry, hence the production figures are not shown separately.

Note. Figures in this table are for the Fertilizer Manufacturing Industry, which includes only the concerns which were engaged chiefly in the manufacture of fertilizers. Some fertilizers were made also in the other industries; for the total output of mixed fertilizers in Canada, see Table 5.

TABLE 4. Materials Used in the Fertilizer Manufacturing Industry, 1948 and 1949

Material	1948		1949	
	Quantity	Cost at works	Quantity	Cost at works
	Short tons	\$	Short tons	\$
Ammonia, anhydrous	53,379	1,813,192	54,273	1,371,910
Ammonia liquor	-	191,609	-	343,895
Ammonium nitrate	23,576	1,589,410	18,381	1,303,846
Ammonium phosphate:				
11-48-0	2,893	177,084	3,755	286,977
16-20-0	1,768	115,631	1,881	116,462
Ammonium sulphate (sulphate of ammonia)	36,813	1,487,072	38,843	1,741,489
Bone meal and bone flour	307	15,204	304	27,469
Borax	152	8,982	169	11,468
Brucite fines	804	24,393	923	37,085
Calcium cyanamide (cyanamid)	9,531	469,514	7,223	383,746
Coke (except for fuel)	107,416	1,739,238	104,404	1,750,063
Diatomaceous earth	7,653	316,383	7,469	324,702
Dried blood and blood meal	90	4,050	50	3,929
Limestone	40,441	111,670	39,784	103,942
Lime or land plaster	1,258	19,443	664	10,413
Magnesium oxide	747	26,698	743	28,710
Magnesium sulphate	15	1,188	150	7,256
Phosphate rock	372,976	4,885,216	396,456	5,275,366

TABLE 4. Materials Used in the Fertilizer Manufacturing Industry, 1948 and 1949 - Conc.

Material	1948		1949	
	Quantity	Cost at works	Quantity	Cost at works
	Short tons	\$	Short tons	\$
Potassium chloride (muriate of potash):				
50%.....	4,051	156,935	3,798	127,498
60%.....	81,631	3,267,682	85,027	3,707,328
Potassium nitrate (nitrate of potash).....	26	5,170	68	15,178
Potassium sulphate (sulphate of potash).....	4,252	203,237	7,190	347,714
Potassium magnesium sulphate (sulphate of potash magnesia)...	3,274	92,150	3,410	112,852
Potash manure salts and kainite.....	5,217	101,539	3,425	72,132
Silica sand.....	71,529	170,316	48,772	150,647
Sodium nitrate (nitrate of soda).....	100	5,592	6	448
Sulphuric acid, 100%.....	467,189	2,784,770	488,405	2,659,344
Superphosphate:				
16-18%.....	37,765	742,915	20,194	400,099
20%.....	246,586	4,984,740	277,195	5,763,270
38-48%.....	894	43,822	3,840	112,626
Ammoniated - 3-18-0.....	7,338	164,657	7,497	198,970
Tankage.....	2,601	53,067	1,259	35,011
All other materials.....	-	983,440	-	1,026,948
Containers and shipping materials.....	-	3,287,372	-	3,312,675
Total.....	-	30,043,381	-	31,671,468

TABLE 5. Total Production of Mixed Fertilizers, from All Industrial Groups, Calendar Years 1940-1949

Year	Quantity	Selling value at works	Year	Quantity	Selling value at works
	tons	\$		tons	\$
1940.....	302,842	8,154,305	1945.....	539,462	16,256,250
1941.....	297,539	8,617,040	1946.....	597,855	17,956,075
1942.....	406,141	12,480,300	1947.....	673,782	21,997,580
1943.....	507,816	15,039,197	1948.....	650,228	22,738,212
1944.....	542,520	15,585,502	1949.....	661,081	24,794,000

Note. Figures in this table represent the total Canadian production of mixed fertilizers, regardless of the industries in which produced.

THE FERTILIZER MANUFACTURING INDUSTRY

TABLE 6. Sales in Canada of Fertilizers, Except for Manufacturing Purposes, Year Ended June 30, 1950

Kind	Newfound-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total sold in Canada
	(short tons)										
Fertilizer Materials											
Nitrate of soda	275	-	-	-	54	725	-	-	-	16	1,070
Sulphate of ammonia ..	6	253	258	184	190	307	96	45	697	1,823	3,858
Cyanamide	-	30	130	91	13	2,363	20	-	-	183	2,830
Ammonium nitrate (nitraprills)	149	406	658	381	503	2,851	2	1	66	1,876	6,893
Ammonium phosphate:											
11-48-0	-	-	-	-	-	2,225	19,359	29,766	28,393	1,078	80,821
16-20-0	-	-	-	-	-	11	1,705	1,068	3,343	3,332	9,459
Superphosphate ¹	27	1,251	1,618	1,506	7,751	14,322	11	-	-	1,319	27,805
Natural phosphate rock	-	-	-	-	229	2	-	-	-	109	340
Basic slag	-	-	-	-	2,439	20	-	-	-	-	2,459
Bone meal or bone flour	-	-	51	3	45	829	22	-	6	473	1,429
Muriate of potash:											
50%	-	-	-	-	48	408	-	-	-	-	456
60%	2	328	56	277	87	1,287	-	-	3	649	2,689
Sulphate of potash	-	-	3	-	3	57	-	-	1	52	116
Tankage	-	-	-	-	-	14	-	-	221	207	442
Sheep manure	-	-	47	25	400	771	19	18	-	84	1,364
Dried blood	-	-	-	-	-	5	-	-	20	75	100
Fishmeal	-	-	-	-	-	-	-	-	-	2	2
All other materials	1	12	119	14	44	3,337	-	-	-	312	3,839
Total Materials...	460	2,280	2,940	2,481	11,806	29,534	21,233	30,898	32,750	11,590	145,972
Mixed fertilizers	3,754	44,999	29,804	68,978	136,230	317,034	327	117	126	17,240	618,609
Total - 1950.....	4,214	47,279	32,744	71,459	148,036	346,568	21,560	31,015	32,876	28,830	764,581
Total - 1949.....	4,492	51,432	35,746	75,532	150,716	327,949	17,037	22,773	28,002	28,047	741,426

1. Almost all 20% superphosphate.

TABLE 7. Mixed Fertilizers Sold During the Year Ended June 30, 1950

	Newfound-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Total sold in Canada	Sold for export
	(short tons)									
N										
P₂O₅										
K₂O										
0 12 12.....	-	-	-	-	-	8,079	-	-	8,079	-
0 12 20.....	-	-	-	-	-	4,884	-	674	5,558	-
0 16 8.....	-	-	-	-	3,429	11,493	-	-	14,922	-
2 10 8.....	-	-	-	-	37	22,706	-	-	22,743	-
2 12 8.....	-	-	138	2,567	49,022	116,968	3	12	168,707	43
2 12 10.....	-	-	-	-	11,699	66,721	-	45	78,465	18
2 14 8.....	-	-	-	-	1,670	2,583	-	-	4,253	-
2 16 6.....	-	-	-	-	9,407	9,988	9	672	20,076	-
3 10 8.....	-	-	-	-	-	6,797	-	-	6,797	-
3 15 6.....	197	7,087	14,461	6,933	13	-	-	-	28,691	43
3 18 9.....	-	-	-	-	-	7,448	-	-	7,448	-
4 8 10.....	17	22	60	16,065	45,387	34,236	41	8	96,816	57
4 10 10.....	-	-	-	-	-	-	15	6,455	6,470	-
4 12 6.....	3	-	85	74	1,449	3,272	9	-	4,892	42
4 12 10.....	-	-	-	-	-	7,413	10	2	7,425	-
5 10 10.....	2,411	11,967	8,529	20,559	4,813	84	-	5	48,368	4,027
6 10 13.....	95	25,775	2,861	17,250	2,758	348	-	-	49,087	-
6 8 6.....	-	-	-	-	-	-	5	2,061	2,066	-
6 9 12.....	1	134	125	4,215	-	-	-	-	4,475	8,757
6 12 6.....	1,000	10	2,507	1,025	-	-	-	-	4,542	244
8 10 5.....	-	-	-	-	-	-	4	1,849	1,853	-
9 5 7.....	11	1	1	128	1,612	487	-	-	2,238	3
9 9 7.....	7	-	988	93	-	-	-	-	1,088	3
10 20 10.....	-	-	-	-	-	-	4	1,350	1,354	-
Other mixtures.....	3	3	49	71	4,954	13,539 ¹	470	4,107	23,196	6,816
Total - 1950.....	3,754	44,999	29,804	68,978	136,230	317,034	570	17,240	618,609	20,053
Total - 1949.....	4,093	46,536	33,150	72,210	138,699	299,036	638	17,396	811,758	37,676

1. Includes 252 tons of liquid fertilizer.

Note. The figures in this table include tobacco fertilizers, and those fertilizers containing boron and magnesium oxide.

CHEMICALS AND ALLIED PRODUCTS

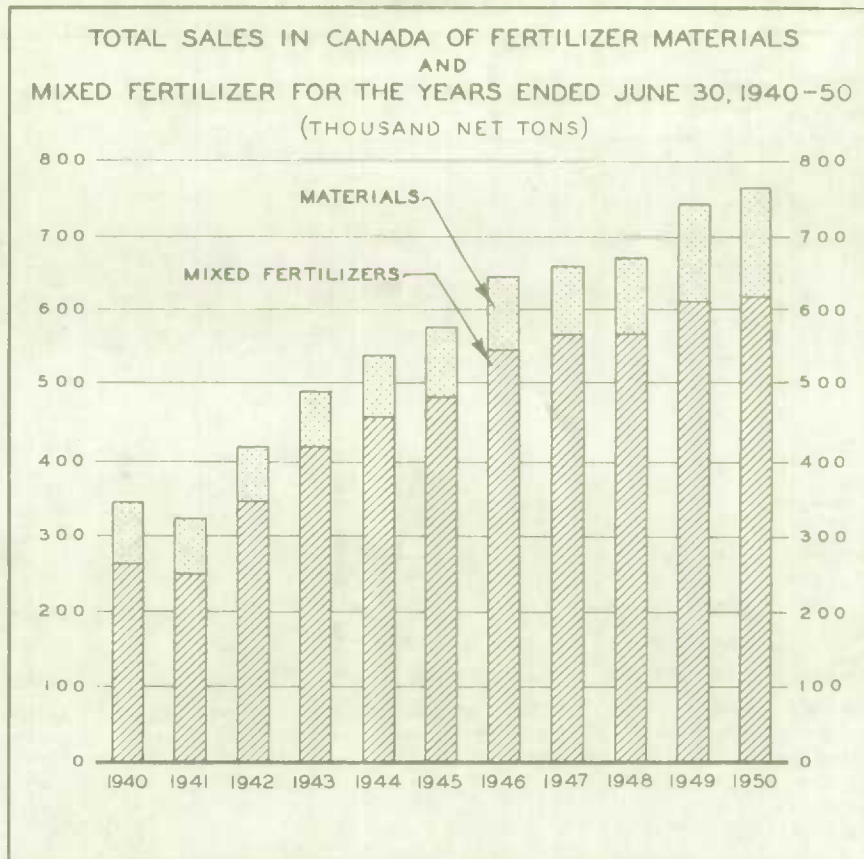


TABLE 8. Total Sales¹ in Canada of Fertilizer Materials and Mixed Fertilizers for the Years Ended June 30, 1949 and 1950

Province	Year Ended June 30	
	1949	1950
	(Tons of 2,000 pounds)	
Fertilizer Materials:		
Newfoundland.....	399	460
Prince Edward Island.....	4,896	2,280
Nova Scotia.....	2,596	2,940
New Brunswick.....	3,322	2,481
Quebec.....	12,017	11,806
Ontario.....	28,913	29,534
Manitoba, Saskatchewan and Alberta.....	67,174	84,881
British Columbia.....	10,651	11,590
Canada.....	129,968	145,972
Mixed Fertilizers:		
Newfoundland.....	4,093	3,754
Prince Edward Island.....	46,536	44,999
Nova Scotia.....	33,150	29,804
New Brunswick.....	72,210	68,978
Quebec.....	138,699	136,230
Ontario.....	299,036	317,034
Manitoba, Saskatchewan and Alberta.....	638	570
British Columbia.....	17,396	17,240
Canada.....	611,758	618,609

1. Except for manufacturing purposes.

TABLE 9. Total Sales¹ in Canada of Fertilizer Materials and Mixed Fertilizers for the Years Ended June 30, 1941-1950

Year Ended June 30	Fertilizer materials	Mixed fertilizers	Total sold in Canada
	(Tons of 2,000 pounds)		
1941.....	74,534	249,667	324,201
1942.....	72,136	347,411	419,547
1943.....	72,162	417,699	489,861
1944.....	79,233	455,875	535,108
1945.....	92,026	483,081	575,107
1946.....	102,639	543,406	646,045
1947.....	95,870	564,851	660,721
1948.....	107,299	564,872	672,171
1949.....	129,968	611,758	741,726
1950.....	145,972	618,609	764,581

1. Except for manufacturing purposes.

TABLE 10. Production, Imports and Exports of Ammonium Sulphate, 1940-1949

Year	Production	Imports	Exports
	(tons)		
1940.....	115,679	355	72,485
1941.....	98,662	57	59,480
1942.....	116,796	5,045	79,236
1943.....	196,404	39	141,080
1944.....	209,578	104	167,496
1945.....	221,499	105	181,189
1946.....	197,103	63	155,446
1947.....	196,825	124	158,975
1948.....	215,109	130	146,379
1949.....	225,949	140	167,147

TABLE 11. Imports and Exports of Fertilizers, 1948 and 1949

Item	1948		1949	
	Quantity	Value	Quantity	Value
Imports				
Ammonia, sulphate of..... cwt.	2,607	16,990	2,806	15,255
Blast furnace slag, basic slag ¹ cwt.	1,114,157	137,032	748,889	131,852
Kainite or German potash salts and German mineral potash..... cwt.	170,999	66,665	138,464	65,991
Potash, muriate of, crude..... cwt.	2,064,169	2,877,873	2,019,055	2,875,678
Potash, sulphate of, crude..... cwt.	103,799	189,854	126,228	235,116
Nitrate of soda or cubic nitre..... cwt.	394,096	807,485	379,407	909,678
Fertilizers, superphosphate or acid phosphate of lime..... cwt.	2,387,667	1,861,922	3,351,443	2,693,367
Fertilizers, compounded or manufactured, n.o.p. cwt.	121,499	170,963	103,070	173,214
Fertilizers, unmanufactured, n.o.p. cwt.	67,182	168,906	239,109	668,243
Exports				
Ammonium sulphate..... cwt.	2,927,587	5,923,549	3,342,937	7,851,153
Phosphate (fertilizer)..... cwt.	2,693,588	7,480,609	2,930,250	9,000,133
Fertilizers, manufactured, n.o.p. cwt.	8,221,612	22,970,277	7,841,282	22,533,745

1. Includes slag imported for use in the manufacture of mineral wool.

Note. In each case, the period covered in the above table refers to the "calendar" year.

TABLE 12. Employees and Their Earnings, by Provinces, 1948 and 1949

Province	Average Number of Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1948								
New Brunswick.....	16	6	135	—	157	62,961	277,680	340,641
Quebec.....	49	11	207	1	268	156,774	415,333	572,107
Ontario.....	205	54	652	3	914	710,089	1,480,627	2,190,716
British Columbia.....	188	26	1,172	—	1,386	753,654	3,157,852	3,911,506
Other provinces.....	83	26	326	9	444	327,528	673,158	1,000,686
Canada.....	541	123	2,492	13	3,169	2,011,006	6,004,650	8,015,656
1949								
New Brunswick.....	17	6	104	—	127	56,167	262,208	318,375
Quebec.....	135	79	198	1	413	673,412	448,306	1,121,718
Ontario.....	213	62	582	1	858	792,362	1,450,501	2,242,863
British Columbia.....	205	25	1,130	8	1,368	871,195	3,156,452	4,027,647
Other provinces.....	89	29	376	9	503	377,091	917,249	1,294,340
Canada.....	659	201	2,390	19	3,269	2,770,227	6,234,716	9,004,943

List of Firms in the Fertilizer Manufacturing Industry, 1949

Name	Location of Plant
Prince Edward Island:	
The Island Fertilizer Co. Ltd.....	Charlottetown
Canada Packers Limited.....	Summerside
Nova Scotia:	
Canadian Industries Limited (Fertilizer Division).....	Pier 9, Halifax
Canada Packers Limited.....	Port Williams
Colonial Fertilizer Co. Ltd.....	Nesbit St., Windsor
New Brunswick:	
Canada Packers Limited (Fertilizer Division).....	Bayside Drive, East Saint John
International Fertilizers Limited.....	East Saint John
Summers Fertilizer Co. Inc.....	Prince William St., St. Stephen
Quebec:	
Agricultural Chemicals Ltd.....	Chambly
Canada Packers Limited.....	6000 St. Patrick St., Montreal
Canadian Industries Limited (Fertilizer Division).....	1490 Marlborough St., Montreal
Canadian Industries Limited (Fertilizer Division).....	McMasterville
International Fertilizers Limited.....	Wolfe's Cove, Quebec
Ontario:	
Agricultural Chemicals Ltd.....	Marsh St., Port Hope
Canada Packers Limited.....	2200 St. Clair Ave. W., Toronto
Canada Packers Limited.....	Welland
Canadian Industries Limited (Fertilizer Division).....	King St. E., Chatham
Canadian Industries Limited (Fertilizer Division).....	Burlington & Ottawa Sts., Hamilton
Hy-Trous Co. of Canada Ltd.....	121 Pitt St., Cornwall
Misner Seeds & Fertilizer.....	Port Dover
"Na-Churs" Plant Food Co. (Canada) Ltd.....	2 Langarth St. W., London
North American Cyanamid Limited, Welland Works.....	Garner Rd., Niagara Falls
Read Brothers Fertilizers, Limited.....	Union St., Elmira
Stone, William, Sons Ltd.....	Ingersoll
United Co-Operatives of Ontario.....	4004 Dundas St. W., Toronto
Witts Fertilizer Works Ltd.....	Norwich

THE FERTILIZER MANUFACTURING INDUSTRY

C-11

List of Firms in the Fertilizer Manufacturing Industry, 1949 - Conc.

Name	Location of Plant
Alberta:	
Consolidated Mining and Smelting Co. of Canada Limited.....	Calgary
British Columbia:	
Buckerfield's Limited	Columbia St., New Westminster
Canadian Industries Limited (Fertilizer Division).....	Foot of 16th St., New Westminster
Consolidated Mining and Smelting Co. of Canada Limited.....	Trail
Globe Fertilizer Co. Ltd.	Foot Crompton Road, Vancouver
Vitalerth Products Limited	1741 West 4th Ave., Vancouver

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