

46-206

~~Mr. Pinson~~

FEB 25 1954

63



CANADA

THE FERTILIZERS INDUSTRY 1952



Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Mining, Metallurgical and Chemical Section

6502-607
28-12-53

Price 25 cents

Vol. 2—Part XVI—C-1

205-44

NOTICE

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

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

- I - General Review of the Manufacturing Industries, \$1.50
- II - The Manufacturing Industries, by Provinces
 - Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢
 - Section 2. Principal Statistics of Individual Industries, 75¢
 - Section 3. Principal Statistics by Regional Distribution, 75¢
- III - Foods and Beverages
- IV - Tobacco and Tobacco Products
- V - Rubber Products
- VI - Leather Products
- VII - Textiles
- VIII - Wood and Paper Products
- IX - Printing Trades
- X - Iron and Steel Products
- XI - Transportation Equipment
- XII - Non-ferrous Metal Products
- XIII - Electrical Apparatus and Supplies
- XIV - Non-metallic Mineral Products
- XV - Products of Petroleum and Coal
- XVI - Chemicals and Allied Products
- XVII - Miscellaneous Manufactures

The present report belongs in Part XVI, Chemicals and Allied Products. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A - General Review, 25¢
- B - The Acids, Alkalies and Salts Industry, 25¢
- C - The Fertilizers Industry, 25¢
- D - The Fertilizer Trade in Canada, 25¢
- E - The Medicinal and Pharmaceutical Preparations Industry, 25¢
- F - The Paints, Varnishes and Lacquers Industry, 25¢
- G - The Primary Plastics Industry, 25¢
- H - The Soaps, Washing Compounds and Cleaning Preparations Industry, 25¢
- I - The Toilet Preparations Industry, 25¢
- J - The Vegetable Oils Industry, 25¢
- K - The Inks Industry, 25¢
- L - The Adhesives Industry, 25¢
- M - The Polishes and Dressings Industry, 25¢
- N - The Compressed Gases Industry, 25¢
- O - The Coal Tar Distillation Industry, 25¢
- P - The Miscellaneous Chemical Products Industry, 25¢

THE FERTILIZERS INDUSTRY

1952

Factory shipments by factories in Canada which were engaged principally in the manufacture of fertilizers were valued at \$78,743,491 in 1952 compared with \$74,488,720 in 1951. In addition, there was a production of 236,145 tons of cyanamid, ammonium sulphate, mixed fertilizers and fish fertilizers valued at \$12,377,126 in 1952, and 212,951 tons at \$9,769,496 in 1951, by establishments which were classified to other industrial groups. The quantity of fish used as a fertilizer in 1952 amounted to 49,061 barrels valued at \$57,907.

Thirty-nine plants were occupied chiefly in the manufacture of fertilizers in 1952, there being 18 in Ontario, 7 in Quebec, 5 in British Columbia, 3 in New Brunswick, 3 in Nova Scotia, 2 in Prince Edward Island and 1 in Alberta. Workers in these establishments declined from 3,218 in 1951 to 3,205 in 1952 although salaries and wages increased from \$10,310,069 to \$11,325,300.

Total production of mixed fertilizers in 1952, from all industries, amounted to 648,800 tons worth \$30,364,000 and included 643,700 tons at \$30,044,000 made by plants in the fertilizer manufacturing industry and 5,100 tons at \$320,000 made in the meat packing, oils and fats and adhesives industries. In 1951 the corresponding total was 696,600 tons at \$29,193,000 and in 1950 it was 669,900 tons at \$26,519,000.

Superphosphate was manufactured in 1952 by Canadian Industries Limited and Green Valley Fertilizer and Chemical Co. Ltd. The former had works at McMasterville, Quebec, and Hamilton, Ontario, while the latter operated a plant at New Westminster, British Columbia. Ammonium nitrate (fertilizer grade) was manufactured in 1952 by the North American Cyanamid Limited (Welland Works) at Niagara Falls in Ontario, and by 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 were only two producers in each instance.

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 Iron and Steel 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 1952 amounted to 226,664 tons; imports totalled 845 tons, and exports amounted to 199,681 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, 1953, 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 819,803 tons of mixtures and materials was sold in Canada during the year ended June 30, 1953, compared with 768,545 tons during the preceding twelve-month period.

Note: Data presented in this bulletin for 1952 under the heading of "Production" actually represent "Factory Shipments" and therefore, are not exactly comparable with previous years.

TABLE 1. Principal Statistics of the Fertilizers Industry, 1948-1952

Year	Number of plants	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	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
1950	36	3,253	9,422,571	1,996,118	33,349,706	68,996,819
1951	39	3,218	10,310,069	1,766,565	35,294,282	74,488,720
1952	39	3,205	11,325,300	1,887,038	38,450,277	78,743,491 ¹
Per cent change 1952 from 1951	—	- 0.4	+ 9.8	+ 6.8	+ 8.9	+ 5.7

1. The 1952 total represents the value of factory shipments. The inventory value of finished products at plant at end of 1951 amounted to \$3,086,000 and at end of 1952 to \$4,757,000.

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, 1951 and 1952

Province	Number of plants	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
			\$	\$	\$	\$
1951						
Prince Edward Island	2	102	209,041	22,082	2,777,996	3,733,067
Nova Scotia	3					
New Brunswick	3					
Quebec	7	445	1,325,508	70,498	5,831,712	8,277,776
Ontario	17	923	2,657,806	835,217	13,374,475	22,878,892
Alberta	1	1,637	5,833,164	797,714	10,584,811	36,186,370
British Columbia	6					
Canada	39	3,218	10,310,069	1,766,565	35,294,282	74,488,720
1952						
Prince Edward Island	2	99	225,369	19,949	2,615,437	3,816,490
Nova Scotia	3					
New Brunswick	3					
Quebec	7	413	1,395,746	67,087	4,935,267	6,929,403
Ontario	18	969	3,100,608	892,785	16,016,078	25,830,583
Alberta	1	1,589	6,219,261	859,811	11,989,538	38,168,539
British Columbia	5					
Canada	39	3,205	11,325,300	1,887,038	38,450,277	78,743,491

TABLE 3. Products of the Fertilizers Industry, Calendar Years, 1951 and 1952

Product	1951		1952	
	Quantity	Selling value at works	Quantity	Selling value at works
	Tons	\$	Tons	\$
Mixed fertilizers	692,459	28,920,545	643,689	30,043,818
Superphosphate, ammonium nitrate (fertilizer grade), ammonium phosphate and ammonium sulphate (completely manufactured) ¹	824,516	43,326,405	862,473	46,344,518
Superphosphate, milled and screened only:				
16% - 18% P ₂ O ₅	1,591	51,140	2,019	72,210
20% P ₂ O ₅	13,227	462,831	11,148	412,660
Ammonium Sulphate, milled and screened only	368	22,022	562	37,830
Muriate of potash, milled and screened only:				
50% K ₂ O	124	6,385	988	55,475
60% K ₂ O	868	49,840	740	43,680
All other products	—	1,649,552	—	1,733,300
Total for fertilizers industry	—	74,488,720	—	78,743,491
Fertilizers made in other industries (cyanamid, ammonium sulphate, mixtures, etc.)	—	9,769,496	—	12,377,126
Total value of all fertilizers produced	—	84,258,216	—	91,120,617

1. Each of these products was made by only one or two firms in this industry, hence the production figures cannot be shown separately.

Note. The Fertilizers Industry includes only the concerns which are engaged chiefly in the manufacture of fertilizers. Some fertilizers are made also in the other industries; for example, ammonium sulphate is produced as a by-product in coke plants, cyanamid is made by a firm which is classified to the heavy chemicals industry and a small amount of mixed fertilizer is made in the slaughtering and meat-packing industry. For the total production of mixed fertilizers, see table 5.

TABLE 4. Materials Used in the Fertilizers Industry, 1951 and 1952

Material	1951		1952	
	Quantity	Cost at works	Quantity	Cost at works
	Short tons	\$	Short tons	\$
Ammonia, anhydrous	51,199	2,018,006	65,924	3,242,451
Ammonia liquor	—	1,432,048	—	1,540,046
Ammonium nitrate.....	7,550	616,538	6,518	527,777
Ammonium phosphate:				
11-48-0	4,735	382,759	7,056	672,820
16-20-0	4,416	210,047	1,995	117,140
Ammonium sulphate (sulphate of ammonia)	31,964	1,532,282	31,499	1,555,767
Bone meal and bone flour	54	4,303	86	7,104
Borax	307	16,664	418	24,898
Brucite fines.....	52	1,144	89	2,102
Calcium cyanamide (cyanamid)	2,160	129,695	1,268	96,067
Coke (except for fuel).....	99,360	1,777,914	86,398	1,466,366
Diatomaceous earth	7,352	350,685	7,683	371,124
Dried blood and blood meal	42	4,297	51	5,555
Limestone	40,858	139,277	29,512	117,802
Lime or land plaster	84	1,348	578	12,473
Magnesium oxide	1,233	56,033	1,375	60,630
Magnesium sulphate	81	6,703	50	3,811
Phosphate rock.....	425,107	6,050,864	418,495	6,142,962
Potassium chloride (muriate of potash):				
50% K ₂ O	14,338	511,965	12,623	432,065
60% K ₂ O	82,591	3,412,499	90,438	3,489,986
Potassium nitrate (nitrate of potash)	78	13,832	59	13,280
Potassium sulphate (sulphate of potash).....	10,651	542,364	8,978	449,723
Potassium magnesium sulphate (sulphate of potash magnesia)	2,455	86,114	1,509	45,431
Sand	56,858	142,493	40,034	86,915
Sodium nitrate (nitrate of soda).....	99	6,853	93	6,954
Sulphuric acid, 100%	510,090	2,852,700	510,580	3,153,629
Superphosphate:				
16-18% P ₂ O ₅	22,609	441,601	23,360	478,373
20% P ₂ O ₅	315,705	7,635,814	309,612	7,903,901
38-48% P ₂ O ₅	4,215	318,488	9,494	585,445
Ammoniated -3-18-0	17	595	393	16,114
Tankage.....	142	3,944	130	7,571
Urea	699	69,331	255	34,799
All other materials.....	—	911,570	—	1,614,170
Containers and shipping materials	—	3,613,506	—	4,165,006
Total	—	35,294,282	—	38,450,277

TABLE 5. Total Production¹ of Mixed Fertilizers, from All Industrial Groups, Calendar Years 1943-1952

Year	Quantity		Year	Quantity	
	Tons	Selling value at works		Tons	Selling value at works
		\$			\$
1943	507,800	15,039,000	1948	650,200	22,738,000
1944	542,500	15,586,000	1949	661,100	24,794,000
1945	539,500	16,256,000	1950	669,900	26,519,000
1946	597,900	17,956,000	1951	696,600	29,193,000
1947	673,800	21,998,000	1952	648,800	30,364,000

1. Factory shipments in 1952.

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

TABLE 6. Sales in Canada of Fertilizers, Except for Manufacturing Purposes, Year Ended June 30, 1953

Kind	New-found-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	222	—	5	1	93	641	1	—	—	20	983
Sulphate of ammonia	9	95	186	51	162	652	48	45	586	2,257	4,091
Cyanamide	—	9	45	10	50	1,952	101	—	—	184	2,351
Ammonium nitrate	137	337	721	184	452	14,269	76	90	1,477	2,366	20,109
Ammonium phosphate — 11-48-0	—	—	—	—	4	3,010	24,363	30,475	29,130	1,565	88,547
16-20-0	—	—	—	—	—	480	6,739	2,550	4,821	3,609	18,199
Superphosphate — 20% P ₂ O ₅	24	409	991	333	6,642	15,134	3	—	27	2,240	25,803
45% P ₂ O ₅	—	—	—	—	—	31	—	—	—	—	31
Natural phosphate rock	—	—	—	—	1,589	1,270	—	—	—	95	2,954
Basic slag	—	—	—	—	838	—	—	—	—	—	838
Bone meal, bone flour, etc.	1	—	32	7	54	814	23	2	10	823	1,566
Muriate of potash — 50% K ₂ O	—	—	30	11	24	147	—	—	—	—	212
60% K ₂ O	2	77	17	29	100	3,417	3	—	—	588	4,233
Sulphate of potash	—	—	4	1	1	212	—	—	—	110	328
Tankage	—	—	—	—	—	—	—	—	96	170	266
Sheep manure	—	—	76	20	504	954	24	38	—	123	1,739
Dried blood	—	—	—	—	690	5	—	5	43	58	801
Other fertilizer materials ¹	—	3	7	16	836	5,023	—	—	—	664	6,549
Total materials	395	930	2,114	663	12,039	47,811	31,381	33,205	36,190	14,872	179,600
Mixed fertilizers (see Table 7)	4,451	48,619	28,229	69,451	119,407	351,569	490	107	103	17,777	640,203
Total — 1952-53	4,848	49,549	30,343	70,114	131,448	399,380	31,871	33,312	36,293	32,649	819,803
Total — 1951-52 — Materials	439	1,353	2,115	1,096	10,846	41,218	26,718	27,486	31,761	13,017	156,049
Mixtures	4,349	41,514	27,151	62,304	122,106	337,731	366	78	87	16,810	612,496
Total	4,788	42,867	29,266	63,400	132,952	378,949	27,084	27,564	31,848	29,827	768,545

1. Lime has not been included.

TABLE 7. Mixed Fertilizers Sold During the Year Ended June 30, 1953

Analysis	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Total sold in Canada	Exported from Canada
(Short tons)										
N P₂O₅ K₂O										
0 10 20	—	—	—	—	—	—	—	—	—	2,976
0 12 12	—	—	—	—	—	9,402	—	—	9,402	—
0 12 20	—	—	—	—	—	5,495	—	579	6,074	—
0 14 14	—	—	5	—	—	613	—	—	618	25
0 16 8	—	—	—	—	3,409	6,113	—	—	9,522	—
0 20 20	—	—	—	—	5	25	—	—	30	1,263
2 8 16	—	—	—	1	3,051	125	—	—	3,177	5
2 8 24	—	—	—	—	—	194	—	—	194	—
2 10 8	—	—	—	—	—	7,789	—	—	7,789	—
2 12 10	—	—	—	—	28,152	144,147	—	19	172,318	13
2 12 16	—	—	—	—	—	5,364	—	—	5,364	—
2 12 20	—	—	—	—	—	2,294	—	—	2,294	—
2 14 8	—	—	—	—	3,143	3,062	—	—	6,205	—
2 15 15	—	—	—	—	—	—	—	1,306	1,306	—
2 16 6	—	—	—	—	25,700	16,618	—	493	42,811	5

THE FERTILIZERS INDUSTRY

TABLE 7. Mixed Fertilizers Sold During the Year Ended June 30, 1953 - Concluded

Analysis			New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Total sold in Canada	Exported from Canada
(Short tons)												
N	P ₂ O ₅	K ₂ O										
3	10	8	-	-	-	-	-	1,548	-	-	1,548	-
3	10	10	-	-	-	-	-	-	-	-	-	149
3	12	12	-	-	-	15	346	2,616	-	-	2,977	-
3	12	16	-	-	-	-	-	2,340	-	-	2,340	-
3	15	6	840	6,924	12,493	9,017	-	396	-	-	29,670	98
3	15	12	-	-	-	-	-	113	-	-	113	-
3	18	0	-	-	-	-	340	1,421	-	-	1,761	-
3	18	9	-	-	-	-	2	27,903	-	-	27,905	-
3	18	15	-	-	-	-	-	1,429	-	-	1,429	-
4	18	12	-	-	-	-	-	1,647	-	-	1,647	68
4	10	8	9	1	36	22	296	152	53	357	926	-
4	10	10	-	-	-	-	-	-	-	5,604	5,604	-
4	12	6	-	-	-	1	2,107	4,399	-	-	6,507	684
4	12	8	-	-	-	1	-	109	-	-	110	-
4	12	10	-	-	-	-	6	30,535	40	2	30,583	-
4	24	12	-	-	48	-	43	25,752	6	-	25,849	-
5	7	10	-	-	-	-	-	-	-	-	-	1,201
5	8	7	-	-	-	-	-	-	-	-	-	215
5	8	10	-	-	-	-	2,112	2	-	-	2,114	-
5	10	5	22	-	-	-	548	2,187	285	446	3,488	240
5	10	10	2,875	13,312	9,561	42,694	14,466	97	-	-	83,025	3,396
5	10	13	111	27,856	2,046	9,066	32,992	25,486	32	-	97,589	35
5	24	20	-	-	-	-	-	-	-	-	-	4,999
6	8	6	-	-	-	-	-	-	-	2,473	2,473	-
6	9	9	-	-	7	1,451	-	-	-	-	1,458	2,779
6	9	12	-	493	29	5,186	20	-	-	-	5,728	23,296
6	10	10	-	-	-	-	-	91	-	326	417	-
6	12	6	573	4	2,881	1,448	-	-	-	-	4,906	226
6	12	12	-	-	-	82	797	7	-	-	886	-
6	28	25	-	-	-	-	-	-	-	175	175	-
6	30	15	-	-	-	-	-	-	-	1,680	1,680	-
7	7	7	-	-	-	-	69	208	2	-	279	11
7	14	7	-	-	-	-	-	243	-	-	243	157
8	8	8	-	-	-	-	-	160	-	-	160	-
8	9	10	-	-	-	-	-	-	-	-	-	120
8	10	5	-	-	-	-	-	-	-	1,813	1,813	-
8	12	12	-	-	-	-	-	-	-	-	-	2,054
8	12	16	-	-	-	224	-	-	-	-	224	7,157
8	16	16	-	-	-	-	-	-	-	-	-	584
8	24	20	-	-	-	-	-	481	-	-	481	-
9	5	7	-	2	-	58	1,390	115	-	-	1,565	5
9	9	7	21	-	1,097	96	-	-	-	-	1,214	3
10	5	10	-	-	-	-	57	6,198	-	-	6,255	-
10	6	4	-	-	12	62	216	1,098	44	56	1,488	1
10	8	4	-	-	-	-	-	-	-	-	-	296
10	10	10	-	-	-	-	15	12,697	-	-	12,712	848
10	20	0	-	-	-	-	-	-	-	-	-	100
10	20	10	-	-	-	-	-	-	-	1,695	1,695	-
10	32	10	-	-	-	-	-	-	186	-	186	-
12	8	10	-	-	-	-	-	-	-	359	359	-
14	7	10	-	-	-	-	-	-	-	158	158	-
Miscellaneous:												
Other mixtures			-	27	14	27	105	898	52	236	1,359	587
Total, 1953			4,451	48,619	28,229	69,451	119,407	351,569	700	17,777	640,203	53,596
Total, 1952			4,349	41,514	27,151	62,304	122,106	337,731	531	16,810	612,496	42,635

Note: Figures in this table include tobacco fertilizers and fertilizers containing boron and magnesium oxide.

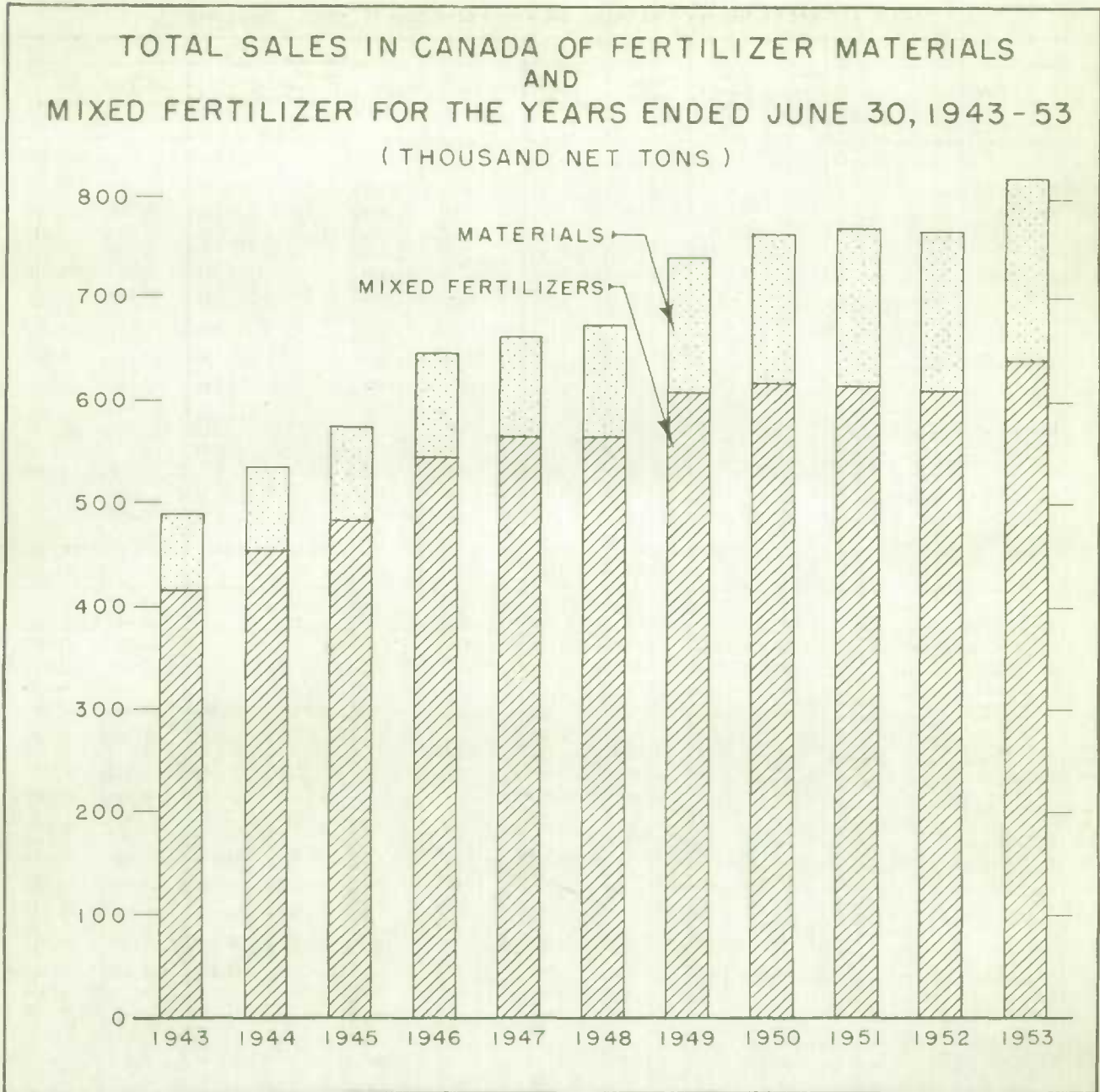


TABLE 8. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold in Canada During the Year Ended June 30, 1953

	In materials			In mixtures			Total		
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
	(short tons)								
Newfoundland	83	5	1	212	498	390	295	503	391
Prince Edward Island	132	82	46	2,298	5,204	5,430	2,430	5,286	5,476
Nova Scotia	288	206	28	1,234	3,501	2,236	1,522	3,707	2,264
New Brunswick	74	68	24	3,391	7,358	6,893	3,465	7,426	6,917
Quebec	302	1,997	83	4,038	14,295	11,770	4,340	16,292	11,853
Ontario	5,798	5,164	2,245	10,737	46,544	36,242	16,535	51,708	38,487
Manitoba	3,815	13,048	2	32	82	38	3,847	13,130	40
Saskatchewan	3,800	15,139	1	8	11	6	3,808	15,150	7
Alberta	4,593	14,962	—	8	20	9	4,601	14,982	9
British Columbia	2,071	2,158	408	975	2,360	1,735	3,046	4,518	2,143
Canada	20,956	52,629	2,838	22,933	79,873	64,749	43,889	132,702	67,587

TABLE 9. Total Sales¹ in Canada of Fertilizer Materials and Mixed Fertilizers for the Years Ended June 30, 1944-1953

Year ended June 30	Fertilizer materials	Mixed fertilizers	Total sold in Canada
	(Tons of 2,000 pounds)		
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
1951	153,933	616,574	770,507
1952	156,049	612,496	768,545
1953	179,600	640,203	819,803

1. Except for manufacturing purposes.

TABLE 10. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold During the Years Ended June 30, 1944-1953

Year ended June 30	In materials			In mixtures			Total		
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
	(Short tons)								
1944	5,422	15,286	2,933	13,638	48,850	28,020	19,060	64,136	30,952
1945	7,633	25,387	3,087	14,327	51,309	39,578	21,960	76,696	42,665
1946	7,834	21,424	2,241	16,519	57,171	43,224	24,353	78,595	45,465
1947	8,923	26,231	2,216	16,821	59,021	44,913	25,744	85,252	47,129
1948	10,693	30,149	2,738	17,153	59,388	47,342	27,846	89,537	50,080
1949	12,001	37,789	2,749	18,340	67,221	52,312	30,341	105,010	55,061
1950	14,533	47,151	1,924	18,820	70,840	54,063	33,353	117,991	55,987
1951	16,167	48,745	2,181	18,328	73,142	53,949	34,495	121,887	56,130
1952	17,357	46,413	2,594	19,213	72,951	55,423	36,570	119,364	58,017
1953	20,956	52,829	2,838	22,933	79,873	64,749	43,889	132,702	67,587

TABLE 11. Production, Imports and Exports of Ammonium Sulphate, 1943-1952

Year	Production	Imports	Exports
	(Tons)		
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
1950	211,534	103	209,106
1951	209,159	314	145,724
1952	226,664	845	199,681

TABLE 12. Imports and Exports of Fertilizers, 1951 and 1952

Item	1951		1952	
	Quantity	Value	Quantity	Value
		\$		\$
Imports				
Ammonia, sulphate of	tons 314	18,906	845	46,195
Kainite or German salts and German mineral potash	" 1,730	26,209	1,697	24,600
Potash, muriate of	" 103,768	2,862,172	117,516	2,872,980
Potash, sulphate of	" 11,213	438,919	8,091	270,831
Nitrate of soda or cubic nitre	" 26,446	1,277,168	22,447	1,069,781
Fertilizers, superphosphate or acid phosphate of lime	" 187,912	3,387,272	215,285	4,239,599
Fertilizers, compounded or manufactured, n.o.p.	" 12,380	562,521	4,842	309,666
Fertilizers, unmanufactured, n.o.p.	" 26,924	1,483,314	28,753	1,488,948
Exports				
Ammonium sulphate	" 145,724	6,456,603	199,681	8,717,210
Nitrogen fertilizer	" 298,223	18,223,504	342,004	21,359,975
Phosphate (fertilizer)	" 142,549	9,181,672	150,246	9,493,303
Fertilizers, manufactured, n.o.p.	" 36,138	1,871,948	53,812	2,722,316

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

TABLE 13. Employees and Their Earnings, by Provinces, 1951 and 1952

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
						\$	\$	\$
1951								
New Brunswick	15	6	90	—	111	70,527	214,023	284,550
Quebec	150	79	216	—	445	816,780	508,728	1,325,508
Ontario	183	62	672	6	923	803,725	1,854,081	2,657,806
British Columbia	244	21	1,005	10	1,280	1,126,730	3,456,515	4,583,245
Other provinces	86	20	345	8	459	415,062	1,043,898	1,458,960
Canada	678	188	2,328	24	3,218	3,232,824	7,077,245	10,310,069
1952								
New Brunswick	15	6	114	—	135	72,996	310,320	383,316
Quebec	157	86	170	—	413	914,975	481,771	1,396,746
Ontario	203	73	689	4	969	960,587	2,140,021	3,100,608
British Columbia	247	21	955	10	1,233	1,279,422	3,591,516	4,870,938
Other provinces	85	21	340	9	455	450,459	1,123,233	1,573,692
Canada	707	207	2,268	23	3,205	3,678,439	7,646,861	11,325,300

TABLE 14. Capital and Repair Expenditures in the Fertilizers Industry, 1948-1952

Year	Capital expenditures			Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment			Construction	machinery and equipment		
	\$'000							
1948	872	853	1,725	1,271	2,173	3,444	5,169	
1949	850	926	1,776	1,364	2,548	3,912	5,688	
1950	1,274	738	2,012	1,255	2,603	3,858	5,870	
1951	1,403	1,737	3,140	311	3,490	3,801	6,941	
1952 ¹	2,477	4,891	7,368	370	3,011	3,381	10,749	

1. Preliminary.

List of Firms in the Fertilizers Industry, 1952

Name of firm	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 Canton
Canada Packers Limited	6000 St. Patrick St., Montreal
Canada Packers Limited	Ste Foy
Canadian Industries Limited (Fertilizer Division).....	1490 Marlborough St., Montreal
Canadian Industries Limited (Fertilizer Division).....	McMasterville
Houde, William, Limited.....	La Prairie
International Fertilizers Limited	Wolfe's Cove, Quebec
Ontario:	
Agricultural Chemicals Ltd.	Marsh St., Port Hope
Biohumus "B"	Bradford
Canada Packers Limited	Chatham
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
Muskoka Chemicals.....	Bala, Ont.
"Na-Churs" Plant Food Co. (Canada) Ltd.	2 Langarth St. W., London
North American Cyanamid Limited, Welland Works	Garner Rd., Niagara Falls
Nutrex Fertilizer & Chemical Co. Ltd.	365 Thames St., London
Read Brothers Fertilizers, Limited	Union St., Elmira
Stone, William, Sons Ltd.	Ingersoll
Swift Canadian Co. Limited.....	1400 The Queensway, Etobicoke
United Co-Operatives of Ontario.....	4004 Dundas St. W., Toronto
Witts Fertilizer Works Ltd.	Norwich
Alberta:	
Consolidated Mining and Smelting Co. of Canada Limited	Calgary
British Columbia:	
Buckerfield's Limited.....	Columbia St., New Westminster
Consolidated Mining and Smelting Co. of Canada Limited	Trail
Globe Fertilizer Co. Ltd.	Foot Crompton Road, Vancouver
Green Valley Fertilizer & Chemical Co. Ltd.	16th St. & 5th Ave., New Westminster
Vitalerth Products Limited	1741 West 4th Ave., Vancouver

STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010650659