

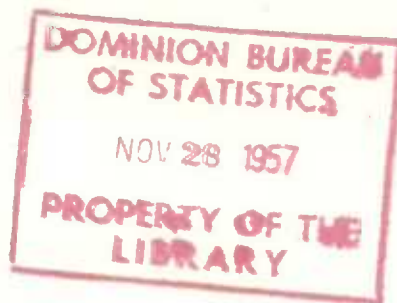
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CANADA

THE FERTILIZER TRADE

July 1, 1956 - June 30, 1957



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Metal and Chemical Products Section

NOTICE

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

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

- I – General Review of the Manufacturing Industries, \$1.50
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
 - Section A. Summary for Canada, 25¢
 - Section B. Atlantic Provinces, 50¢
 - Section C. Quebec, 25¢
 - Section D. Ontario, 25¢
 - Section E. Prairie Provinces, 40¢
 - Section F. British Columbia, 25¢
 - Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢
- III – Foods and Beverages
- IV – Tobacco and Tobacco Products
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- VI – Leather Products
- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
- X – Wood and Paper Products
- XI – Printing Trades
- 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
- XIX – Miscellaneous Manufactures

The present report belongs in Part XVIII, 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 FERTILIZER TRADE

July 1, 1956 - June 30, 1957

Sales of mixed fertilizers and fertilizer materials for direct application to the soil, including exports, amounted to 1,712,310 tons in the year ended June 30, 1957. Sales to Canadian users totalled 808,251 tons, including 156,497 tons of fertilizer materials and 651,754 tons of mixtures. Sales of the latter were practically unchanged from the previous year; however, sales of materials increased 5.7 per cent from the previous year.

Production of fertilizer materials (excluding anhydrous ammonia) in the period under review, including such items as ammonium nitrate, ammonium phosphate, ammonium sulphate, superphosphate and cyanamide, amounted to 1,174,615 tons compared with 1,215,338 tons in the preceding year, and the output of mixed fertilizers increased to 729,037 tons from 710,278 tons manufactured the previous year. The figures for the materials and mixtures are not additive as some of the former were used in making the latter.

Imports of fertilizers (excluding anhydrous ammonia) amounted to 920,157 tons compared with 907,599 tons during the previous fertilizer year. The more important items which were brought in were natural phosphate rock, 496,542 tons; superphosphate, 210,798 tons; muriate of potash, 137,479 tons; nitrogen solution, 30,952 tons and sulphate of potash, 15,148 tons. The phosphate rock was used, of course, in Canadian fertilizer plants to make superphosphate and ammonium phosphate; similarly, most of the other imported materials were used in making mixed fertilizers.

Exports of materials amounted to 854,331 tons including 9,448 tons of Anhydrous ammonia a 2.6 per cent increase over the previous years total of 832,471 tons which included 4,930 tons of anhydrous ammonia. Exports of mixed fertilizers amounted to 49,728 tons an increase of 29.7 per cent over the previous years total of 38,346 tons.

TABLE 1. Sales of Fertilizers, Years Ended June 30, 1956 and 1957

	Fertilizer materials			Mixed fertilizers			Total		
	1956	1957	Per cent change	1956	1957	Per cent change	1956	1957	Per cent change
	(short tons)								
Newfoundland	580	373	-35.7	4,764	4,410	- 7.4	5,344	4,783	-10.5
Prince Edward Island	386	432	+11.9	49,022	52,867	+ 7.8	49,408	53,299	+ 7.9
Nova Scotia	2,127	1,908	-10.3	24,158	24,450	+ 1.2	26,285	26,358	+ .3
New Brunswick	703	735	+ 4.6	61,604	60,280	- 2.1	62,307	61,015	- 2.1
Quebec	14,095	14,428	+ 2.4	121,412	127,546	+ 5.1	135,507	141,974	+ 4.8
Ontario	54,264	51,484	- 5.1	375,185	364,502	- 2.8	429,449	415,986	- 3.1
Saskatchewan	14,780	14,910	+ .9	680	754	+10.9	15,460	15,664	+ 1.3
Alberta	17,900	20,708	+15.7	68	77	+13.2	17,968	20,785	+15.7
British Columbia	29,157	38,165	+30.9	126	172	+36.5	29,283	38,337	+30.9
Canada	14,045	13,354	- 4.9	15,624	16,696	+ 6.9	29,669	30,050	+ 1.3
Export	832,471	854,331	+ 2.6	38,346	49,728	+29.7	870,817	904,059	+ 3.8
Total	980,508	1,010,828	+ 3.1	690,989	701,482	+ 1.5	1,671,497	1,712,310	+ 2.4

TABLE 2. Production and Imports of Fertilizers, as Reported by Manufacturers and Importers, During the Years Ended June 30, 1956 and 1957

Item	1956		1957	
	Manufactured	Imported	Manufactured	Imported
	(short tons)			
Mixed fertilizers - solid	709,862	830	718,473	6,715
Mixed fertilizers - liquid	1	1	1	-
Nitrogen solution	1	29,510	1	30,952
Ammonium sulphate	340,132	2,817	302,232	930
Superphosphate	1	216,887	1	210,798
Ammonium nitrate	1	-	1	1
Ammonium phosphate	1	-	1	1
Cyanamide	1	-	1	-
Natural phosphate rock ²	-	492,060	-	496,542
Bone meal or bone flour	480	780	491	285
Muriate of potash, 50% K ₂ O	-	935	-	1
Muriate of potash, 60% K ₂ O	-	133,567 ⁴	-	137,479 ⁴
Sulphate of potash	-	16,181 ⁴	-	15,148 ⁴
Sulphate of potash, magnesia	-	1,999 ⁴	-	2,522 ⁴
Tankage	174	132	226	87
Animal manure	31	1,485	-	1,395
Dried blood	1	-	1	-
Nitrate of soda	-	808	-	614
Sewage sludge	1	6,080	1	6,271
Other materials ³	2,449	3,528	2,091	5,008

1. Not available for publication.

2. Used in making superphosphate and ammonium phosphate in Canadian fertilizer plants.

3. Lime and anhydrous ammonia not included.

4. As reported in Trade of Canada, Vol. III Imports.

THE FERTILIZER TRADE

TABLE 3. Sales of Fertilizers, Except for Manufacturing Purposes, During the Year Ended June 30, 1956

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											
Anhydrous ammonia	—	—	—	—	—	914	84	199	241	25	1,463
Nitrate of soda	268	2	9	4	69	390	—	—	—	5	747
Sulphate of ammonia	6	65	84	29	268	899	110	181	1,772	2,683	6,097
Cyanamide	—	35	36	3	31	2,356	—	—	—	165	2,626
Ammonium nitrate	97	107	627	158	747	16,616	185	457	2,512	2,810	24,316
Ammonium phosphate — 11-48-0 ..	—	—	—	—	3	1,810	10,307	14,625	18,272	942	45,959
16-20-0 ..	—	—	—	—	—	78	3,916	2,185	5,533	3,002	14,714
Superphosphate — 20% P ₂ O ₅	77	153	774	306	7,026	17,578	—	—	15	1,743	27,672
45% P ₂ O ₅	—	—	—	—	6	500	—	—	—	139	645
Natural phosphate rock	—	1	330	145	3,869	262	—	—	—	9	4,616
Basic slag	—	—	—	—	749	—	—	—	—	—	749
Bone meal, bone flour, etc.	3	2	53	10	117	746	27	3	55	789	1,805
Muriate of potash — 50% K ₂ O	—	—	—	—	—	27	—	—	—	—	27
60% K ₂ O	1	21	47	19	228	4,026	9	—	6	794	5,151
Sulphate of potash	126	—	12	—	5	337	1	2	1	158	642
Tankage	—	—	—	—	—	6	—	—	—	236	242
Animal manure	—	—	82	21	554	830	—	—	—	145	1,632
Dried blood	—	—	—	—	1	14	—	—	—	—	60
Sewage sludge	—	—	26	—	389	5,839	—	—	—	252	6,506
Other fertilizer materials ¹	2	—	47	8	33	1,036	141	248	750	88	2,353
Total materials	580	386	2,127	703	14,095	54,264	14,780	17,900	29,157	14,045	148,037
Mixed fertilizers	4,764	49,022	24,158	61,604	121,412	375,185	680	68	126	15,624	652,643
Total — 1955-1956	5,344	49,408	26,285	62,307	135,507	429,449	15,460	17,968	29,283	29,669	800,680
Total — 1954-1955	5,324	49,666	28,950	62,337	130,057	428,752	14,616	15,951	24,313	30,808	790,774

1. Lime has not been included.

TABLE 4. Sales of Fertilizers, Except for Manufacturing Purposes, During the Year Ended June 30, 1957

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											
Anhydrous ammonia	—	—	—	—	—	1,630	116	286	426	50	2,508
Nitrate of soda	254	—	16	1	63	479	1	—	—	6	820
Sulphate of ammonia	6	33	75	27	199	670	122	98	1,525	1,802	4,557
Cyanamide	—	2	36	20	47	1,860	—	—	—	185	2,150
Ammonium nitrate	73	207	712	177	759	16,203	314	1,299	4,110	2,665	26,519
Ammonium phosphate — 11-48-0 ..	—	—	—	1	64	1,284	9,362	15,756	21,616	1,022	49,105
16-20-0 ..	—	—	—	—	—	58	4,286	2,427	8,509	2,543	17,823
Superphosphate — 20% P ₂ O ₅	31	147	738	302	7,337	14,315	1	—	45	1,460	24,376
45% P ₂ O ₅	—	—	—	—	2	806	—	—	—	148	956
Natural phosphate rock	—	20	—	126	4,053	123	—	—	—	6	4,328
Basic slag	—	—	—	—	706	2	—	—	—	—	708
Bone meal, bone flour, etc.	4	1	52	30	64	973	32	1	42	853	2,052
Muriate of potash — 50% K ₂ O	—	—	—	—	4	—	3	3	30	—	40
60% K ₂ O	4	16	52	17	283	3,619	4	1	5	673	4,674
Sulphate of potash	—	—	3	—	67	636	—	—	—	142	848
Tankage	—	—	—	—	—	2	—	—	—	341	343
Animal manure	—	—	56	20	496	798	—	—	—	142	1,512
Dried blood	—	—	—	—	2	39	—	—	—	94	137
Sewage sludge	—	—	20	9	236	5,369	—	1	—	475	6,110
Other fertilizer materials ¹	1	6	146	5	46	2,618	669	836	1,857	747	6,931
Total materials	373	432	1,908	735	14,428	51,484	14,910	20,708	38,165	13,354	156,497
Mixed fertilizers	4,410	52,867	24,450	60,280	127,546	364,502	754	77	172	16,696	651,774
Total — 1956-1957	4,783	53,299	26,358	61,015	141,974	415,986	15,664	20,785	38,337	30,050	808,281
Total — 1955-1956	5,344	49,408	26,285	62,307	135,507	429,449	15,460	17,968	29,283	29,669	800,680

1. Lime has not been included.

TABLE 5. Mixed Fertilizers Sold During the Year Ended June 30, 1956

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										
0	5	15	—	—	—	—	629	485	—	—	1,114	—
0	12	12	—	—	1	—	—	438	—	—	439	—
0	12	20	—	—	—	—	230	7,628	—	356	8,214	—
0	14	14	—	—	—	—	407	1,662	—	—	2,069	11
0	15	15	—	5	—	—	—	663	—	—	668	—
0	15	30	—	—	—	—	12	—	—	—	12	212
0	16	8	—	—	—	—	3,056	554	—	—	3,610	—
0	20	10	—	—	—	—	—	2,223	—	—	2,223	5
0	20	20	—	45	595	105	270	4,414	—	—	5,429	722
2	8	16	—	—	—	—	2,816	42	—	—	2,858	—
2	10	15	—	—	—	—	1	4,871	—	—	4,872	—
2	12	10	—	—	—	—	30,392	127,795	—	8	158,195	—
2	12	16	—	—	—	—	—	4,402	—	—	4,402	11
2	12	20	—	—	—	—	—	10,868	—	—	10,868	—
2	14	8	—	—	—	—	2,760	1,379	—	—	4,139	—
2	15	15	—	—	—	—	75	—	—	1,168	1,243	55
2	16	6	—	—	—	6	19,629	10,465	—	239	30,339	55
2	18	18	—	—	—	—	88	7,939	—	—	8,027	—
3	12	12	—	—	—	—	754	4,473	—	—	5,227	88
3	12	16	—	—	—	—	—	1,403	—	—	1,403	—
3	15	6	1,058	5,589	9,838	7,157	—	—	—	—	23,642	27
3	15	10	—	—	—	—	—	5,543	—	—	5,543	—
3	18	9	—	—	—	—	12	19,925	—	—	19,937	165
3	18	15	—	—	—	—	499	4,444	—	—	4,943	—
4	8	12	—	—	—	—	—	839	—	—	839	22
4	10	7	—	—	—	—	—	—	—	192	192	—
4	10	8	11	2	56	11	142	249	—	—	471	1
4	10	10	—	—	—	—	—	4,094	—	3,995	8,089	—
4	12	6	—	3	—	—	1,690	641	—	25	2,359	1
4	12	10	—	—	1	—	12	25,638	—	—	25,651	3
4	12	16	—	—	—	—	—	700	—	—	700	—
4	24	12	—	—	—	86	103	24,964	2	—	25,155	—
4	24	20	—	—	—	—	323	19,085	—	—	19,408	—
4	40	0	—	—	—	—	—	177	—	—	177	—
4	8	10	—	—	—	—	2,533	9	—	—	2,542	2
5	10	10	2,207	2,739	2,300	18,112	14,968	236	—	—	40,562	3,259
5	10	13	123	28,552	2,350	6,210	35,500	34,822	20	—	107,577	—
5	10	15	—	—	—	—	—	1,992	—	5	1,997	5
5	20	0	—	—	—	—	—	103	—	—	103	—
5	20	20	—	—	—	—	—	1,041	—	—	1,041	—
6	8	6	—	—	—	—	—	—	—	2,870	2,870	—
6	9	9	—	—	—	166	—	—	—	—	166	689
6	9	12	—	—	1	5,169	—	—	—	—	5,170	8,930
6	10	4	—	—	—	—	714	2,235	335	70	3,354	—
6	10	10	—	—	—	—	—	—	—	310	310	—
6	12	6	393	—	1,863	1,283	2	—	—	—	3,541	297
6	12	12	750	11,783	6,245	22,559	965	2,186	—	—	44,488	61
6	18	15	—	—	—	—	—	357	—	—	357	—
6	27	25	—	—	—	—	—	—	—	112	112	—
6	28	25	—	—	—	—	—	—	—	167	167	—
6	30	15	—	—	—	—	—	—	—	1,417	1,417	—
6	36	0	—	—	—	—	—	178	—	—	178	2
7	6	7	—	—	—	—	—	143	—	—	143	—
7	7	7	118	—	—	—	208	990	—	—	1,316	374
7	11	0	—	—	—	—	—	—	—	121	121	—
8	9	10	—	—	—	—	—	—	—	—	—	173
8	10	5	—	—	—	—	—	—	—	1,449	1,449	—
8	12	12	—	230	—	263	—	—	—	—	493	11,591
8	12	16	—	—	—	—	—	—	—	—	—	3,411
8	16	16	—	—	—	—	160	23	—	—	183	2,109
8	24	20	—	—	—	—	—	640	—	—	640	—
9	5	7	—	2	—	169	1,538	86	—	—	1,795	—
9	9	7	5	9	868	60	—	—	—	—	942	2
10	5	10	—	—	—	—	31	1,824	—	—	1,855	—
10	6	4	5	—	12	47	297	756	—	66	1,183	42
10	10	10	94	1	2	120	513	28,380	—	—	29,110	3,591
10	15	15	—	—	—	—	—	—	—	—	—	953
10	20	10	—	—	—	—	—	309	—	2,326	2,635	38
10	24	12	—	—	—	—	—	272	—	—	272	—
10	32	10	—	—	—	—	—	—	476	26	502	470
10	52	17	—	—	2	—	16	131	—	—	149	—
11	24	20	—	—	—	—	—	182	—	—	182	—
13	10	10	—	—	—	—	—	—	—	146	146	—
13	16	10	—	—	—	—	—	—	—	133	133	—
14	6	8	—	—	—	—	—	—	—	—	—	170
Miscellaneous other mixtures			—	62	24	81	67	287	41	423	985	799
Total			4,764	49,022	24,158	61,604	121,412	375,185	874	15,624	652,643	38,346

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

THE FERTILIZER TRADE

TABLE 6. Mixed Fertilizers Sold During the Year Ended June 30, 1957

Analysis			New- found- land	Prince Edward Island	Nova Scotia	New- Brun- swick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Total sold in Canada	Exported from Canada
N	P ₂ O ₅	K ₂ O	(short tons)									
0	5	15	—	13	—	—	669	5	—	—	687	10
0	12	12	—	—	—	—	—	152	—	—	152	—
0	12	20	—	—	—	—	278	7,480	—	186	7,944	2
0	14	14	—	—	—	—	518	1,181	—	—	1,699	—
0	15	15	—	—	—	—	—	1,064	—	45	1,109	—
0	15	30	—	—	—	—	4	—	—	—	4	306
0	16	8	—	—	—	—	3,057	128	—	—	3,183	—
0	20	10	—	—	—	—	73	1,646	—	—	1,719	—
0	20	20	1	30	722	203	620	7,208	—	—	8,784	836
2	8	16	—	—	—	—	2,637	34	—	—	2,671	—
2	10	15	—	—	—	—	286	5,234	—	—	5,520	—
2	12	10	—	—	—	—	31,176	110,566	—	—	141,742	—
2	12	16	—	—	—	—	—	4,525	—	—	4,525	—
2	12	20	—	—	—	—	—	9,681	—	—	9,681	—
2	14	8	—	—	—	—	2,318	913	—	—	3,231	—
2	15	15	—	—	—	—	—	—	1,213	—	1,213	—
2	16	6	—	—	—	—	18,515	7,179	—	70	25,764	—
2	18	18	—	—	—	—	91	9,954	—	—	10,045	—
2	20	18	—	—	—	—	—	120	—	—	120	—
2	20	20	—	—	—	—	—	223	—	—	223	—
3	8	15	—	—	—	—	—	231	—	—	231	—
3	11	11	—	—	—	—	—	1,130	—	—	1,130	—
3	12	12	—	—	—	—	830	4,165	—	—	4,995	—
3	12	16	—	—	—	—	—	2,397	—	—	2,397	—
3	15	6	805	4,704	9,293	6,336	16	—	—	—	21,154	21
3	15	10	—	—	—	—	—	5,900	—	—	5,900	—
3	18	4	—	50	—	—	—	—	—	—	50	—
3	18	9	—	—	—	—	20	16,911	—	—	16,931	—
3	18	15	—	—	—	—	661	4,596	—	—	5,257	—
4	9	10	—	85	—	—	—	—	—	—	85	—
4	10	7	—	—	—	—	—	—	144	—	144	—
4	10	8	9	—	20	6	12	61	—	—	108	—
4	10	10	—	—	—	—	—	—	4,137	—	4,137	—
4	12	6	11	—	—	50	1,400	744	25	—	2,230	2
4	12	10	—	—	—	—	—	24,110	—	—	24,110	—
4	12	16	—	—	—	—	25	891	—	—	916	—
4	16	16	—	—	—	—	—	970	—	—	970	—
4	24	12	—	—	—	—	503	22,984	2	—	23,489	—
4	24	20	—	—	—	—	1,490	28,431	—	—	29,921	—
5	8	10	—	—	—	—	2,164	5	—	—	2,169	—
5	10	5	—	—	—	—	—	—	10	—	10	198
5	10	10	2,230	1,701	1,900	17,562	15,458	537	—	—	39,388	2,763
5	10	13	127	32,142	2,018	4,824	38,718	33,274	16	—	111,119	—
5	10	15	—	—	—	—	10	4,027	—	—	4,037	—
5	20	10	—	—	—	—	84	615	—	—	699	—
5	20	20	—	—	—	—	—	1,414	—	—	1,414	—
6	8	6	—	—	—	—	—	5	3,256	—	3,261	—
6	9	6	—	—	10	2	190	152	—	—	358	—
6	9	9	2	2	—	1,273	—	—	—	—	1,273	363
6	9	12	—	111	15	5,063	3	—	—	—	5,192	3,278
6	10	10	—	—	—	—	—	—	287	—	287	—
6	12	6	477	62	1,829	1,003	4	—	—	—	3,375	283
6	12	8	3	96	18	6,801	—	—	—	—	6,918	—
6	12	12	688	13,746	7,268	16,519	1,586	3,968	—	—	43,775	27
6	15	6	—	15	85	5	—	—	—	—	105	—
6	18	6	—	—	—	—	—	239	—	—	239	—
6	18	15	—	—	—	—	—	281	—	—	281	—
6	24	24	—	—	—	—	—	—	—	—	—	5,370
6	27	25	—	—	—	—	—	—	280	—	280	—
6	30	15	—	—	—	—	—	—	1,684	—	1,684	—
6	36	0	—	—	—	—	—	192	—	—	192	—
7	6	7	—	—	—	—	—	127	—	—	127	—
7	7	7	—	—	—	—	216	1,586	—	—	1,802	63
8	9	10	—	—	—	—	—	—	—	—	—	2,053
8	10	5	—	—	—	—	—	—	1,628	—	1,628	—
8	10	10	—	—	—	—	—	—	—	—	—	110
8	12	12	—	—	—	257	—	—	—	—	257	8,963
8	12	16	—	—	—	42	16	—	—	—	58	2,321
8	16	16	—	—	—	12	277	39	—	—	328	2,753
8	24	20	—	—	—	—	—	1,109	—	—	1,109	—
8	32	16	—	—	—	—	—	—	—	—	—	1,701
9	5	7	—	2	—	118	1,378	71	—	—	1,569	—
9	9	7	4	35	856	43	—	36	—	—	974	4
9	9	9	—	—	—	—	—	546	—	—	546	—
10	5	10	—	—	—	—	19	662	—	—	681	—
10	6	4	1	2	6	84	383	939	10	50	1,475	75
10	10	10	52	30	1	50	724	29,359	—	—	30,216	5,715
10	15	15	—	—	—	—	—	—	—	—	—	1,051
10	20	10	—	—	—	—	—	301	2,419	—	2,720	19
10	24	12	—	—	—	—	—	864	—	—	864	—
10	32	10	—	—	—	—	—	—	588	185	773	4,669
10	52	17	—	—	2	—	15	140	—	2	159	—
12	12	12	—	—	—	—	—	22	—	—	22	6,540
13	16	10	—	—	—	—	—	—	—	610	610	—
14	7	10	—	—	—	—	—	—	—	179	179	—
Miscellaneous other mixtures			—	41	407	27	1,102	3,180	362	311	5,430	320
Total			4,410	52,867	24,450	60,280	127,546	364,502	1,003	16,696	651,754	49,728

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

TOTAL SALES IN CANADA OF FERTILIZER MATERIALS
AND
MIXED FERTILIZER FOR THE YEARS ENDED JUNE 30, 1946-57
(THOUSAND NET TONS)

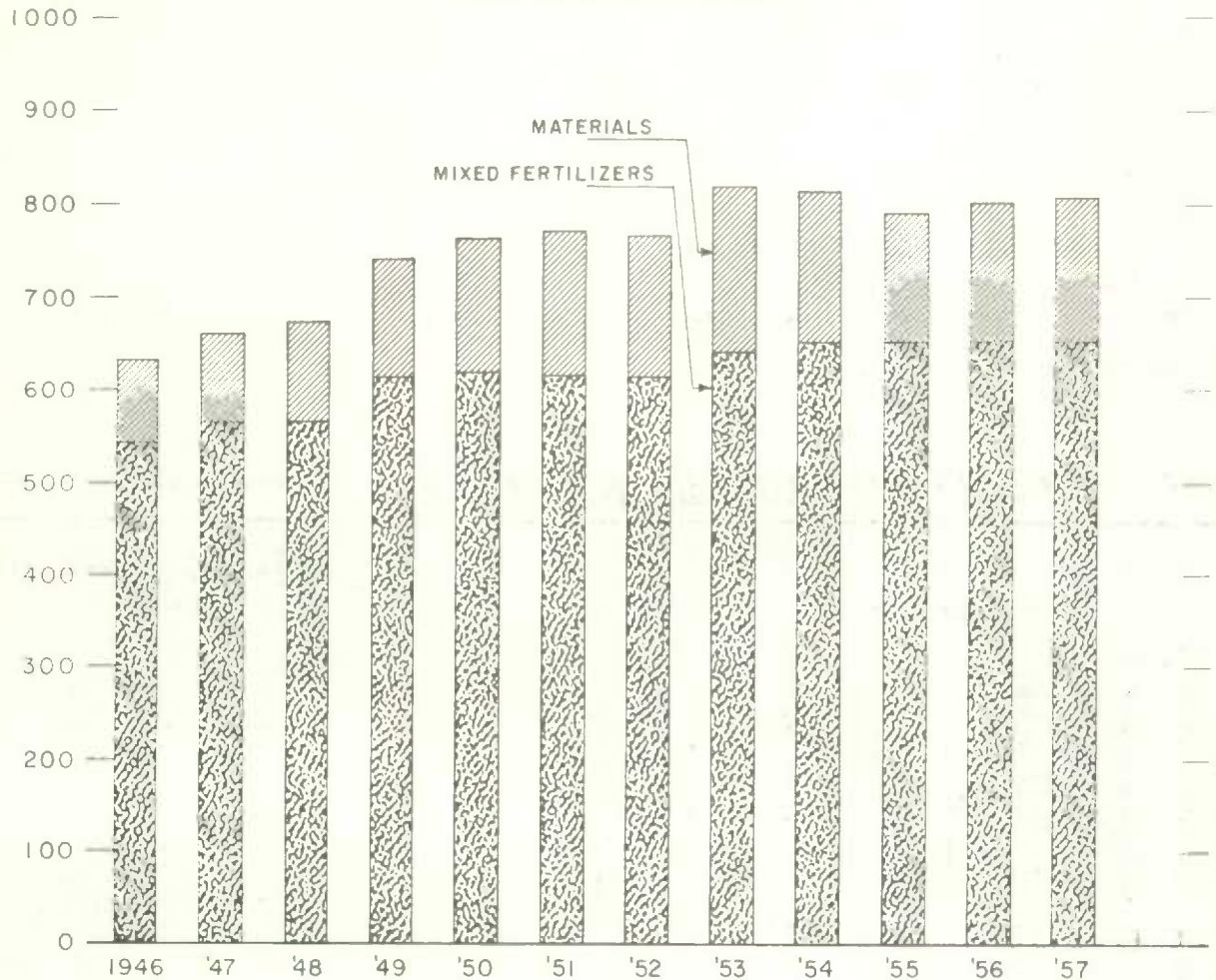


TABLE 7. Tobacco Specials Sold During the Year Ended June 30, 1957

Analysis	Quebec	Ontario	British Columbia	Total
	(short tons)			
N P₂O₅ K₂O				
0 12 20.....	51	3,325	—	3,376
0 15 15.....	—	177	—	177
2 10 15.....	286	5,211	—	5,497
2 12 10.....	2,995	46,547	—	49,542
2 12 16.....	—	1,203	—	1,203
2 18 18.....	91	9,938	—	10,029
2 20 18.....	—	120	—	120
3 18 15.....	—	1,361	—	1,361
5 8 10.....	2,164	5	—	2,169
5 10 15.....	10	2,645	—	2,655
10 5 10.....	—	208	—	208
Other.....	41	183	—	224
Total.....	5,638	70,923	—	76,561

Note: The figures in this table are included in Table 6.

THE FERTILIZER TRADE

TABLE 8. Sales of Mixed Fertilizers Containing Guaranteed Percentages of Boron, During the Year Ended June 30, 1957

Analysis	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Canada	Exported
N P₂O₅ K₂										
2 8 16	—	—	—	—	104	1	—	—	105	—
2 12 10	—	—	—	—	166	2,251	—	—	2,417	—
2 12 16	—	—	—	—	—	219	—	—	219	—
2 16 6	—	—	—	—	416	10	—	—	426	—
2 20 20	—	—	—	—	—	223	—	—	223	—
3 12 16	—	—	—	—	—	450	—	—	450	—
3 15 6	533	1,654	954	716	11	—	—	—	3,868	5
3 18 15	—	—	—	—	—	106	—	—	106	—
4 12 10	—	—	—	—	—	122	—	—	122	—
4 12 16	—	—	—	—	3	154	—	—	157	—
4 16 16	—	—	—	—	—	465	—	—	465	—
4 24 20	—	—	—	—	—	122	—	—	122	—
5 10 13	—	—	—	14	307	1,667	—	—	1,988	—
9 5 7	—	1	—	89	15	—	—	—	105	—
9 9 7	2	27	835	37	—	—	—	—	901	—
Other	46	—	72	67	1,015	2,318	—	80	3,598	3
Total	581	1,682	1,861	923	2,037	8,108	—	80	15,272	8

Note. The figures in this table are included in Table 6.

TABLE 9. Sales of Mixed Fertilizers (Excluding Tobacco Fertilizers) Containing Guaranteed Percentages of Magnesium Oxide, During the Year Ended June 30, 1957

Analysis	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Canada	Exported
N P₂O₅ K₂O										
2 20 20	—	—	—	—	—	223	—	—	223	—
5 10 10	47	522	34	5,755	39	—	—	—	6,397	520
5 10 13	31	8,816	142	1,056	480	1,568	—	—	12,093	—
6 9 9	—	—	—	767	—	—	—	—	767	363
6 9 12	—	110	—	3,896	—	—	—	—	4,006	3,278
6 12 6	—	40	60	25	—	—	—	—	125	—
6 12 8	—	5	5	2,669	—	—	—	—	2,679	—
6 12 12	19	5,253	1,019	7,113	31	—	—	—	13,435	—
6 18 15	—	—	—	—	—	272	—	—	272	—
8 9 10	—	—	—	—	—	—	—	—	—	2,053
8 12 12	—	—	—	257	—	—	—	—	257	8,963
8 12 16	—	—	—	42	16	—	—	—	58	2,321
8 16 8	—	15	85	—	—	—	—	—	100	50
8 16 16	—	—	—	—	10	—	—	—	10	251
10 10 10	—	30	—	50	31	5	—	—	116	3,952
10 15 15	—	—	—	—	—	—	—	—	—	1,051
Other	10	—	20	75	1,011	2,736	—	—	3,852	152
Total	107	14,791	1,365	21,705	1,618	4,804	—	—	44,390	22,954

Note. The figures in this table are included in Table 6.

TABLE 10. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Prince Edward Island During the Year Ended June 30, 1957

County	Materials	Mixed fertilizers	Total
Kings	51	6,819	6,870
Queens	210	19,229	19,439
Prince	171	26,819	26,990
Total	432	52,867	53,299

TABLE 11. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Nova Scotia During the Year Ended June 30, 1957

County	Materials	Mixed fertilizers	Total
		(short tons)	
Annapolis	48	1,143	1,191
Antigonish	26	877	903
Cape Breton	21	380	401
Colchester	191	3,324	3,515
Cumberland	88	1,920	2,008
Digby	18	1,053	1,071
Guysborough	—	88	88
Halifax	117	1,143	1,260
Hants	113	2,411	2,524
Inverness	34	368	402
Kings	1,122	8,100	9,222
Lunenburg	35	1,487	1,522
Pictou	64	1,199	1,263
Richmond	1	46	47
Queens	3	167	170
Shelburne	—	79	79
Victoria	6	204	210
Yarmouth	21	461	482
Total	1,908	24,450	26,358

TABLE 12. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in New Brunswick During the Year Ended June 30, 1957

County	Materials	Mixed fertilizers	Total
		(short tons)	
Albert	3	158	161
Carleton	206	21,227	21,433
Charlotte	36	609	645
Gloucester	63	1,447	1,510
Kent	26	1,243	1,269
King's	59	1,847	1,906
Madawaska	34	2,948	2,982
Northumberland	30	791	821
Queen's	13	533	546
Restigouche	34	1,396	1,430
Saint John	23	556	579
Sunbury	3	271	274
Victoria	7	19,117	19,124
Westmorland	131	3,870	4,001
York	67	4,267	4,334
Total	735	60,280	61,015

TABLE 13. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Quebec During the Year Ended June 30, 1957

County	Materials	Mixed fertilizers (short tons)	Total
Abitibi.....	339	584	923
Argenteuil.....	70	444	514
Arthabaska.....	585	5,169	5,754
Beauharnois.....	63	617	680
Bagot.....	295	3,172	3,467
Beauce.....	185	3,177	3,362
Bellechasse.....	537	2,570	3,107
Berthier.....	71	1,725	1,796
Bonaventure.....	239	1,223	1,462
Erome.....	109	673	782
Chambly.....	213	479	692
Champlain.....	203	1,120	1,323
Charlevoix.....	80	775	855
Chateauguay.....	317	1,997	2,314
Chicoutimi.....	138	1,621	1,759
Compton.....	149	2,155	2,304
Dorchester.....	393	2,611	3,004
Drummond.....	399	2,659	3,058
Frontenac.....	38	1,556	1,594
Gaspé.....	69	610	679
Gatineau.....	18	210	228
Hochelega.....	257	1,468	1,725
Hull.....	3	14	17
Huntingdon.....	160	1,340	1,500
L'Islet.....	283	998	1,281
Iberville.....	286	1,812	2,098
Jacques Cartier.....	167	806	973
Joliette.....	376	4,395	4,771
Kamouraska.....	386	2,226	2,612
Labelle.....	31	761	792
La Prairie.....	79	2,125	2,204
Lake St. John.....	35	325	360
L'Assomption.....	110	2,138	2,248
Laval.....	138	5,184	5,322
Laviolette.....	28	244	272
Lévis.....	226	1,445	1,671
Lotbinière.....	755	3,036	3,791
Maskinongé.....	19	101	120
Matapédia.....	76	908	984
Matane.....	109	1,516	1,625
Montmorency.....	89	2,032	2,121
Mégantic.....	203	3,268	3,471
Montcalm.....	86	2,906	2,992
Montmagny.....	273	594	867
Missisquoi.....	522	2,128	2,650
Napierville.....	123	7,230	7,353
Nicolet.....	485	3,585	4,050
Papineau.....	55	1,926	1,981
Pontiac.....	10	99	109
Portneuf.....	257	2,603	2,860
Québec.....	597	1,400	1,997
Rouville.....	520	3,485	4,005
Richelieu.....	167	965	1,132
Richmond.....	72	1,126	1,198
Rimouski.....	451	2,088	2,539
Rivière-du-Loup.....	173	4,747	4,920
Roberval.....	16	359	375
Rouyn-Noranda.....	100	1	101
Saguenay.....	19	100	119
St. Hyacinthe.....	630	4,074	4,704
St. Johns.....	111	1,052	1,163
St. Maurice.....	96	1,019	1,115
Shefford.....	134	2,467	2,601
Sherbrooke.....	89	1,408	1,497
Soulanges.....	90	329	419
Stanstead.....	128	2,022	2,150
Témiscamingue.....	44	172	216
Témiscouata.....	73	1,363	1,436
Terrebonne.....	91	1,039	1,130
Three Rivers.....	—	—	—
Two Mountains.....	116	1,296	1,412
Verchères.....	274	1,325	1,599
Vaudreuil.....	67	306	373
Wolfe.....	101	1,414	1,515
Yamaska.....	149	1,493	1,642
Magdalen Island.....	3	136	139
Total, Quebec.....	14,428	127,546	141,974

TABLE 14. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Ontario During the Year Ended June 30, 1957

County	Materials	Mixed fertilizers	Total
		(short tons)	
Algoma	51	534	585
Brant	712	7,472	8,184
Bruce	897	9,190	10,087
Carleton	509	1,846	2,355
Cochrane	166	501	667
Dufferin	312	3,945	4,257
Dundas	170	574	744
Durham	755	6,727	7,482
Elgin	1,973	23,402	25,375
Essex	5,917	27,002	32,919
Frontenac	116	474	590
Glengarry	91	611	702
Grenville	194	1,664	1,858
Grey	653	6,741	7,394
Haldimand	431	2,985	3,416
Haliburton	—	61	61
Halton	376	3,316	3,692
Hastings	99	2,025	2,124
Huron	1,514	17,506	19,020
Kenora	—	8	8
Kent	9,314	50,105	59,419
Lambton	2,068	13,400	15,468
Lanark	148	999	1,147
Leeds	179	785	964
Lennox-Addington	27	557	584
Lincoln	1,521	4,263	5,784
Manitowlin	17	292	309
Middlesex	2,028	23,164	25,192
Muskoka	59	321	380
Nipissing	63	497	560
Norfolk	2,655	42,623	45,278
Northumberland	315	3,055	3,370
Ontario	473	5,764	6,237
Oxford	2,000	22,475	24,475
Parry Sound	33	584	617
Peel	497	3,828	4,325
Perth	882	11,582	12,464
Peterborough	197	1,442	1,639
Prescott	204	1,815	2,019
Prince Edward	236	1,598	1,834
Russell	112	959	1,071
Rainy River	1	6	7
Renfrew	376	576	952
Stormont	44	539	583
Simcoe	1,150	12,909	14,059
Sudbury	160	1,537	1,697
Temiskaming	104	380	484
Thunder Bay	83	779	862
Victoria	124	1,955	2,079
Waterloo	548	7,628	8,176
Welland	398	2,793	3,191
Wellington	550	10,280	10,830
Wentworth	984	6,330	7,314
York	5,063	12,098	17,161
No distribution	3,935	—	3,935
Total, Ontario	51,484	364,502	415,986

THE FERTILIZER TRADE

TABLE 15. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold During the Years Ended June 30, 1956 and 1957

Province	1956				1957			
	Total tonnage	Nitrogen (N)	Phosphoric acid (P ₂ O ₅)	Potash (K ₂ O)	Total tonnage	Nitrogen (N)	Phosphoric acid (P ₂ O ₅)	Potash (K ₂ O)
	(short tons)							
(a) In materials								
Newfoundland	580	76	16	61	373	66	7	2
Prince Edward Island	386	56	31	13	432	77	36	10
Nova Scotia	2,127	238	281	36	1,908	310	173	34
New Brunswick	703	60	113	12	735	68	111	10
Quebec	14,095	356	2,870	150	14,428	355	3,006	214
Ontario	54,264	7,906	5,011	2,634	51,484	8,716	4,328	2,522
Manitoba	14,780	1,951	5,757	6	14,910	2,121	5,452	3
Saskatchewan	17,900	2,376	7,492	1	20,708	3,031	8,165	2
Alberta	29,157	4,496	9,984	4	38,165	6,251	12,357	18
British Columbia	14,045	2,172	1,674	555	13,354	2,067	1,749	475
Total Canada	148,037	19,687	33,229	3,472	156,497	23,062	35,384	3,290
Exported from Canada	832,471	190,168	64,201	870	854,331	212,849	65,906	1,948
Grand total	980,508	209,855	97,430	4,342	1,010,828	235,911	101,290	5,238
(b) In mixtures								
Newfoundland	4,764	236	548	433	4,410	219	504	407
Prince Edward Island	49,022	2,461	5,429	5,780	52,867	2,689	5,812	6,337
Nova Scotia	24,158	1,097	3,122	2,176	24,450	1,145	3,128	2,217
New Brunswick	61,604	3,247	6,966	6,566	60,280	3,204	6,787	6,178
Quebec	121,412	4,250	14,234	12,509	127,546	4,555	15,084	13,477
Ontario	375,185	13,043	52,042	44,404	364,502	13,661	51,959	44,757
Manitoba	680	55	149	51	754	61	167	57
Saskatchewan	68	5	11	5	77	7	20	6
Alberta	126	12	33	11	172	16	40	15
British Columbia	15,624	918	2,168	1,537	16,696	1,054	2,305	1,633
Total Canada	652,643	25,324	84,702	73,472	651,754	26,611	85,806	75,084
Exported from Canada	38,346	2,762	4,413	4,700	49,728	4,088	6,922	6,685
Grand total	690,989	28,086	89,115	78,172	701,482	30,699	92,728	81,769
(c) Total								
Newfoundland	5,344	312	564	494	4,783	285	511	409
Prince Edward Island	49,408	2,517	5,460	5,793	53,299	2,766	5,848	6,347
Nova Scotia	26,285	1,335	3,403	2,212	26,358	1,455	3,301	2,251
New Brunswick	62,307	3,307	7,079	6,578	61,015	3,272	6,898	6,188
Quebec	135,507	4,606	17,104	12,659	141,974	4,910	18,090	13,691
Ontario	429,449	20,949	57,053	47,038	415,986	22,377	56,287	47,279
Manitoba	15,460	2,006	5,906	57	15,664	2,182	5,619	60
Saskatchewan	17,968	2,381	7,503	6	20,785	3,038	8,185	8
Alberta	29,283	4,508	10,017	15	38,337	6,267	12,397	33
British Columbia	29,669	3,090	3,842	2,092	30,050	3,121	4,054	2,108
Total Canada	800,680	45,011	117,931	76,944	808,251	49,673	121,190	78,374
Exported from Canada	870,817	192,930	68,614	5,570	904,059	216,937	72,828	8,633
Grand total	1,671,497	237,941	186,545	82,514	1,712,310	266,610	194,018	87,007

TABLE 16. Fertilizers Sold for Consumption During the Years Ended June 30, 1929-1957

Year	Materials		Mixtures		Total tons
	Quantity	Percentage of total	Quantity	Percentage of total	
	tons		tons		
1929	115,672	51.7	108,078	48.3	223,750
1930	166,257	51.8	154,950	48.2	321,207
1935	104,711	49.3	107,768	50.7	212,479
1940	85,638	24.7	261,083	75.3	346,721
1945	92,026	16.0	483,081	84.0	575,107
1946	90,446	14.3	542,497	85.7	632,943
1947	95,870	14.5	564,851	85.5	660,721
1948	107,299	15.6	564,872	84.4	672,171
1949	129,968	17.5	611,758	82.5	741,726
1950	145,972	19.1	618,609	80.9	764,581
1951	153,933	19.9	616,574	80.1	770,507
1952	156,049	20.3	612,496	79.7	768,545
1953	179,600	21.9	640,203	78.1	819,803
1954	160,481	19.8	651,160	80.2	811,641
1955	139,301	17.6	651,473	82.4	790,774
1956	148,037	18.5	652,643	81.5	800,680
1957	156,497	19.4	651,754	80.6	808,251

TABLE 17. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold During the Years Ended June 30, 1941-1957

Year	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)								
1941	3,488	12,965	3,994	6,939	26,278	19,908	10,427	39,243	23,902
1942	5,042	13,911	2,877	9,311	37,099	27,497	14,353	51,010	30,374
1943	3,459	13,998	3,112	11,282	45,079	32,977	14,741	59,077	36,089
1944	5,422	15,286	2,933	13,638	48,850	28,020	19,060	64,136	30,953
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
1954	18,213	42,108	3,327	23,812	80,239	66,641	42,025	122,347	69,968
1955	17,422	32,672	3,120	25,410	82,032	71,219	42,832	114,704	74,339
1956	19,687	33,229	3,472	25,324	84,702	73,472	45,011	117,931	76,944
1957	23,062	35,384	3,290	26,611	85,806	75,084	49,673	121,190	78,374

TABLE 18. Lime and Limestone Produced in Canada for Agricultural Purposes, 1939-1956

Year	Lime	Limestone (including marl)	Year	Lime	Limestone (including marl)
	(short tons)			(short tons)	
	1939	8,547		191,833	1948
1940	8,904	174,114	1949	15,274	649,220
1941	15,144	216,657	1950	14,088	568,280
1942	9,251	285,924	1951	14,709	567,300
1943	13,299	271,036	1952	13,587	464,122
1944	15,190	316,545	1953	12,310	510,547
1945	14,420	419,579	1954	10,923	362,110
1946	4,294	480,639	1955	5,420	424,028
1947	6,664	450,553	1956	6,251	1

1. Data not available.

List of Reporting Companies, 1957

Name of company	Address
Agricultural Chemicals, Ltd.	Chambly, Quebec; London and Port Hope, Ontario
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ontario
American Agricultural Chemicals	Detroit, Michigan, U.S.A.
Associated Shippers Inc.	Charlottetown, Prince Edward Island
Bradford Fertilizers	Bradford, Ontario
Buckerfields Limited	Vancouver, British Columbia
Burns and Co., Limited	Vancouver, British Columbia; Edmonton, Alberta
Canada Packers Limited	West Toronto, Welland, Chatham, Ontario
Canada Packers Limited	Montreal, Quebec
Canada Packers Limited	Saint John, New Brunswick
Canada Packers Limited	Port Williams, Nova Scotia
Canada Packers Limited	Summerside, Prince Edward Island
Canadian Industries Limited	Montreal, Quebec; plants at Halifax, Nova Scotia; McMasterville, Quebec; Montreal, Quebec; Chatham, Ontario; Hamilton, Ontario.
Canadian Organic Developments Ltd.	Calgary, Alberta
Colonial Fertilizer Co. Ltd.	Windsor, Nova Scotia
Consolidated Mining and Smelting Company of Canada, Ltd.	Trail, British Columbia; Calgary, Alberta; Kimberley, British Columbia
Dominion Potash Limited	310 Victoria Ave., Westmount, Quebec
Dominion Iron & Steel Corp.	Sydney, Nova Scotia
Dow Chemical of Canada Ltd.	Sarnia, Ontario
Elmira Fertilizers	Elmira, Ontario
Globe Fertilizer Company Ltd.	Crompton Rd., Vancouver, British Columbia
Great Northern Chemical Company	95 King St. E., Toronto I, Ontario
Green Valley Fertilizer - Chemical Co. Ltd.	New Westminster, British Columbia
Harris, W., and Co.	Toronto Ontario
Houde, W., Ltd.	Laprairie, Quebec
Hy-Trous Company of Canada Ltd.	Cornwall, Ontario
International Fertilizers, Ltd.	Quebec, Quebec
International Fertilizers, Ltd.	Saint John, New Brunswick
Island Fertilizer Co., Ltd.	Charlottetown, Prince Edward Island
W. A. Jenkins Mfg. Co., The	London, Ontario
Manchester Products	Galt, Ontario
Maritime Co-operative Services Ltd.	Moncton, New Brunswick
Milwaukee Sewerage Commission	P.O. Box 2079, Milwaukee, Wisconsin, U.S.A.
Misner Fertilizers	Port Dover, Ontario
"Na-Churs" Plant Food Co. (Canada) Ltd.	London, Ontario
North American Cyanamid Co.	Niagara Falls, Ontario
Northwest Nitro Chemicals	Medicine Hat, Alberta
Ontario Plant Foods Ltd.	P.O. Box 748, Delhi, Ontario
Rainbow Chemicals	Tilbury, Ontario
Sherritt-Gordon Mines Ltd.	Fort Saskatchewan, Alberta
Sohio Chemicals	Lima, Ohio, U.S.A.
Steel Company of Canada Ltd.	Hamilton, Ontario
Stone, William, Sons Ltd.	Ingersoll, Ontario
Summers Fertilizers Co., Inc.	St. Stephen, New Brunswick
Swift Canadian Company, Limited	New Toronto, Ontario
Swift Canadian Company, Limited	St. Boniface, Manitoba
Toronto Salt Works	Toronto, Ontario
United Co-operative Co. Ltd.	Toronto, Ontario

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