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# THE FERTILIZER TRADE

July 1, 1952 - June 30, 1953

*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

6502-606  
19-12-53

Price 25 cents

Vol. 2—Part XVI—D-1

## 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
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- IV – Tobacco and Tobacco Products
- V – Rubber Products
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- 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¢
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- K – The Inks Industry, 25¢
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- 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, 1952 - June 30, 1953

Sales of mixed fertilizers and of fertilizer materials for direct application to the soil, including exports, amounted to 1,570,687 tons in the year ended June 30, 1953. Sales to Canadian users totalled 819,803 tons, including 179,600 tons of fertilizer materials and 640,203 tons of mixtures, the latter tonnages being up 15.1 per cent and 4.5 per cent respectively over the corresponding amounts sold during the previous twelve months.

Production of fertilizer materials in the period under review, including such items as ammonium nitrate, ammonium phosphate, ammonium sulphate, superphosphate and cyanamide, amounted to 1,036,986 tons, compared with 1,061,067 tons in the preceding year, and the output of mixed fertilizers increased from 677,921 tons to 694,440 tons. The figures for the materials and mixtures are not additive as some of the former were used in making the latter.

Imports of fertilizers amounted to 823,953 tons, compared with 720,880 tons during the previous fertilizer year. The more important items which were brought in were: natural phosphate rock, 407,642 tons; superphosphate, 215,300 tons; muriate of potash, 137,113 tons; nitrogen solution, 26,166 tons and sulphate of potash, 11,205 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 consisted of 697,288 tons of materials and 53,596 tons of mixtures, representing increases of 12.9 per cent and 25.6 per cent respectively over the previous fertilizer year. Ammonium sulphate, ammonium phosphate, ammonium nitrate and cyanamide were the principal materials exported.

TABLE 1. Sales of Fertilizers, Years Ended June 30, 1952 and 1953

	Fertilizer materials			Mixed fertilizers			Total		
	1952	1953	Percent change	1952	1953	Percent change	1952	1953	Percent change
	(short tons)								
Newfoundland.....	439	395	- 10.0	4,349	4,451	+ 2.3	4,788	4,846	+ 1.2
Prince Edward Island.....	1,353	930	- 31.3	41,514	48,619	+17.1	42,867	49,549	+15.6
Nova Scotia.....	2,115	2,114	-	27,151	28,229	+ 4.0	29,266	30,343	+ 3.7
New Brunswick.....	1,096	663	-39.5	62,304	69,451	+11.5	63,400	70,114	+10.6
Quebec.....	10,846	12,039	+11.0	122,106	119,407	- 2.2	132,952	131,446	- 1.1
Ontario.....	41,218	47,811	+16.0	337,731	351,569	+ 4.1	378,949	399,380	+ 5.4
Manitoba.....	26,718	31,381	+17.5	366	490	+33.9	27,084	31,871	+17.7
Saskatchewan.....	27,486	33,205	+20.8	78	107	+37.2	27,564	33,312	+20.9
Alberta.....	31,761	36,190	+13.9	87	103	+18.4	31,848	36,293	+14.0
British Columbia.....	13,017	14,872	+14.3	16,810	17,777	+ 5.8	29,827	32,649	+ 9.5
Canada.....	156,649	179,600	+15.1	612,496	640,203	+ 4.5	768,545	819,803	+ 6.7
Export.....	617,575	697,288	+12.9	42,655	53,596	+25.6	660,230	750,884	+13.7
Total.....	773,624	876,888	+13.3	655,151	693,799	+ 5.9	1,428,775	1,570,687	+ 9.9

TABLE 2. Production and Imports of Fertilizers, as Reported by Manufacturers and Importers During the Years Ended June 30, 1952 and 1953

Item	1952		1953	
	Manufactured	Imported	Manufactured	Imported
	(Short tons)			
Mixed fertilizers — solid.....	677, 580	30	671, 257	38
Mixed fertilizers — liquid.....	341	1	481	1
Nitrogen solution.....	—	24, 637	—	26, 166
Ammonium sulphate.....	213, 459	201	206, 200	10, 256
Superphosphate.....	1	180, 181	1	215, 300
Ammonium nitrate.....	1	—	1	502
Ammonium phosphate.....	1	7	1	20
Cyanamide.....	1	1	1	1
Natural phosphate rock <sup>2</sup> .....	—	378, 426	—	407, 642
Bone meal or bone flour.....	1, 466	170	685	753
Muriate of potash, 50% K <sub>2</sub> O.....	—	13, 733	—	21, 565
Muriate of potash, 60% K <sub>2</sub> O.....	—	100, 605	—	115, 548
Sulphate of potash.....	—	10, 606	—	11, 205
Sulphate of potash, magnesia.....	—	1, 511	—	1, 984
Tankage.....	955	1, 248	226	67
Sheep manure.....	—	1, 735	—	1, 942
Dried blood.....	198	—	134	—
Nitrate of soda.....	—	1, 015	—	1, 133
Other materials <sup>3</sup> .....	374	6, 672	260	9, 821

1. Not available for publication.

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

3. Lime has not been included.

TABLE 3. Sales of Fertilizers, Except for Manufacturing Purposes, During the Year Ended June 30, 1952

Kind	New-foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total sold in Canada
Fertilizer materials											
Nitrate of soda.....	297	—	1	—	88	508	—	—	—	9	903
Sulphate of ammonia.....	13	143	181	78	106	326	45	39	547	2, 157	3, 635
Cyanamide.....	—	6	69	2	37	2, 561	—	—	—	143	2, 818
Ammonium nitrate.....	106	334	413	290	455	10, 108	59	102	795	1, 960	14, 622
Ammonium phosphate — 11-48-0	—	—	—	—	22	3, 168	21, 511	25, 626	26, 461	1, 039	77, 827
16-20-0	—	—	—	—	—	245	5, 055	1, 703	3, 651	2, 792	13, 446
Superphosphate — 20% P <sub>2</sub> O <sub>5</sub> .....	20	726	1, 232	589	7, 167	14, 381	—	—	—	1, 888	26, 003
45% P <sub>2</sub> O <sub>5</sub> .....	—	—	—	—	—	31	—	—	—	—	31
Natural phosphate rock.....	—	—	—	—	520	380	—	—	—	103	1, 003
Basic slag.....	—	1	—	—	1, 077	—	—	—	—	—	1, 078
Bone meal, bone flour, etc.....	—	—	14	8	33	486	28	—	129	1, 408	2, 106
Muriate of potash — 50% K <sub>2</sub> O.....	—	—	—	2	45	226	4	—	—	—	277
60% K <sub>2</sub> O.....	3	128	35	81	80	2, 913	—	—	—	531	3, 771
Sulphate of potash.....	—	—	5	1	—	240	—	—	—	92	338
Tankage.....	—	—	—	—	—	815	—	—	135	194	1, 144
Sheep manure.....	—	—	51	—	474	829	16	16	—	134	1, 520
Dried blood.....	—	—	—	—	—	8	—	—	43	50	101
Other fertilizer materials (1).....	—	15	114	45	742	3, 993	—	—	—	517	5, 426
<b>Total materials.....</b>	<b>439</b>	<b>1, 353</b>	<b>2, 115</b>	<b>1, 096</b>	<b>10, 846</b>	<b>41, 218</b>	<b>26, 718</b>	<b>27, 486</b>	<b>31, 761</b>	<b>13, 017</b>	<b>156, 049</b>
Mixed fertilizers.....	4, 349	41, 514	27, 151	62, 304	122, 106	337, 731	366	78	87	16, 810	612, 496
<b>Total — 1951-52.....</b>	<b>4, 788</b>	<b>42, 867</b>	<b>29, 266</b>	<b>63, 400</b>	<b>132, 952</b>	<b>378, 949</b>	<b>27, 084</b>	<b>27, 564</b>	<b>31, 848</b>	<b>29, 827</b>	<b>768, 545</b>
<b>Total — 1950-51.....</b>	<b>4, 661</b>	<b>35, 257</b>	<b>32, 837</b>	<b>59, 828</b>	<b>150, 414</b>	<b>368, 296</b>	<b>22, 715</b>	<b>31, 448</b>	<b>35, 857</b>	<b>29, 194</b>	<b>770, 507</b>

1. Lime has not been included.

TABLE 4. Sales of Fertilizers, Except for Manufacturing Purposes, During the Year Ended June 30, 1952

Kind	New-foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total sold in Canada
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 <sub>2</sub> O <sub>5</sub>	24	409	991	333	6,642	15,134	3	—	27	2,240	25,803
45% P <sub>2</sub> O <sub>5</sub>	—	—	—	—	—	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	614	23	2	10	823	1,566
Muriate of potash - 50% K <sub>2</sub> O	—	—	30	11	24	147	—	—	—	—	212
60% K <sub>2</sub> O	2	77	17	29	100	3,417	3	—	—	588	4,233
Sulphate of potash	—	—	4	1	1	212	—	—	—	—	328
Tankage	—	—	—	—	—	—	—	—	96	—	170
Sheep manure	—	—	76	20	504	954	24	38	—	123	1,739
Dried blood	—	—	—	—	690	5	—	5	43	58	801
Other fertilizer materials <sup>1</sup>	—	3	7	16	836	5,023	—	—	—	664	6,549
<b>Total materials</b>	<b>395</b>	<b>930</b>	<b>2,114</b>	<b>663</b>	<b>12,039</b>	<b>47,811</b>	<b>31,381</b>	<b>33,205</b>	<b>36,190</b>	<b>14,872</b>	<b>179,600</b>
Mixed fertilizers	4,451	48,619	28,229	69,451	119,407	351,569	490	107	103	17,777	640,203
<b>Total - 1952-53</b>	<b>4,846</b>	<b>49,549</b>	<b>30,343</b>	<b>70,114</b>	<b>131,446</b>	<b>399,380</b>	<b>31,871</b>	<b>33,312</b>	<b>36,293</b>	<b>32,649</b>	<b>819,803</b>
<b>Total - 1951-52</b>	<b>4,788</b>	<b>42,867</b>	<b>29,266</b>	<b>63,400</b>	<b>132,952</b>	<b>378,949</b>	<b>27,084</b>	<b>27,564</b>	<b>31,848</b>	<b>29,827</b>	<b>768,545</b>

1. Lime has not been included.

TABLE 5. Mixed Fertilizers Sold During Year Ended June 30, 1952

Analysis	New-foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Total sold in Canada	Exported from Canada
N P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O										
0 12 12	—	—	—	—	15	10,094	—	249	10,358	—
0 12 20	—	—	—	—	6	4,548	—	239	4,793	—
0 16 8	—	—	4	—	3,354	7,347	—	—	10,705	18
2 8 16	—	—	—	1	1,656	66	—	—	1,723	1
2 10 8	—	—	—	—	—	13,400	—	—	13,400	—
2 12 6	—	—	—	—	33,599	89,334	—	—	122,933	33
2 12 10	—	—	—	—	13,271	95,328	2	47	108,648	—
2 12 16	—	—	—	—	2	3,981	—	—	3,983	—
2 14 8	—	—	—	—	2,516	3,174	—	—	5,690	—
2 16 6	—	—	—	—	12,177	13,967	2	798	26,944	—
3 10 8	—	—	—	—	—	3,296	—	—	3,296	—
3 12 16	—	—	—	—	—	1,574	—	—	1,574	—
3 15 6	727	7,883	13,326	10,225	—	736	—	—	32,897	355
3 18 0	—	—	—	—	238	850	—	—	1,088	—
3 18 9	—	—	—	—	—	13,110	—	—	13,110	—
4 8 10	—	—	—	—	35,355	26,271	3	—	61,629	25
4 10 10	—	—	—	—	—	—	—	5,182	5,182	39
4 12 6	—	—	—	1	1,242	3,376	—	—	4,619	67
4 12 10	—	—	—	—	143	16,513	41	2	16,699	—
4 24 12	—	—	—	—	27	12,739	2	—	12,768	—
5 7 10	—	—	—	—	—	—	—	—	—	494
5 8 10	—	—	—	—	1,465	—	—	—	1,465	—
5 10 5	—	—	—	—	554	1,661	209	704	3,128	32
5 10 10	2,777	11,863	8,112	35,008	6,464	66	—	—	64,290	4,238
5 10 13	121	21,335	2,085	11,596	8,416	7,488	38	—	51,079	12
6 8 6	—	—	—	—	—	—	—	2,427	2,427	—
6 9 9	2	14	7	852	—	—	—	—	875	3,554
6 9 12	—	350	27	2,950	—	—	—	—	3,327	26,203
6 12 6	702	22	2,546	1,424	—	—	—	—	4,694	411
6 30 15	—	—	—	—	—	—	—	1,612	1,612	—
8 10 5	—	—	—	—	—	—	—	1,629	1,629	—
8 12 16	—	—	—	—	—	—	—	—	—	3,028
9 5 7	—	4	—	85	1,155	329	—	—	1,573	17
9 9 7	12	14	877	73	—	—	—	—	976	—
10 5 10	—	—	—	—	—	1,900	—	—	1,900	—
10 6 4	—	—	13	34	129	602	23	51	852	—
10 10 10	—	—	5	—	4	2,268	—	—	2,277	503
10 20 10	—	—	—	—	—	—	—	1,677	1,677	—
Miscellaneous other mixtures	8	29	149	55	318	3,713	211	2,193	6,676	3,625
<b>Total</b>	<b>4,349</b>	<b>41,514</b>	<b>27,151</b>	<b>62,304</b>	<b>122,106</b>	<b>337,731</b>	<b>531</b>	<b>16,810</b>	<b>612,496</b>	<b>42,635</b>

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

TABLE 6. 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
(short tons)												
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O										
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	18,618	—	493	42,811	5
3	10	6	—	—	—	—	—	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	8	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	—	—	46	—	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	14,486	97	—	—	83,025	3,396
5	10	13	111	27,858	2,048	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	228
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	—	—	—	—	—	—	—	1,613	1,613	—
8	12	12	—	—	—	—	—	—	—	—	—	2,054
8	12	18	—	—	—	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	—	—	—	—	—	—	166	—	166	—
12	8	10	—	—	—	—	—	—	—	359	359	—
14	7	10	—	—	—	—	—	—	—	158	158	—
Miscellaneous other mixtures			—	27	14	27	105	898	52	236	1,359	587
Total			4,451	48,619	28,229	69,451	119,407	351,569	700	17,777	640,203	53,596

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, 1943-53  
(THOUSAND NET TONS)

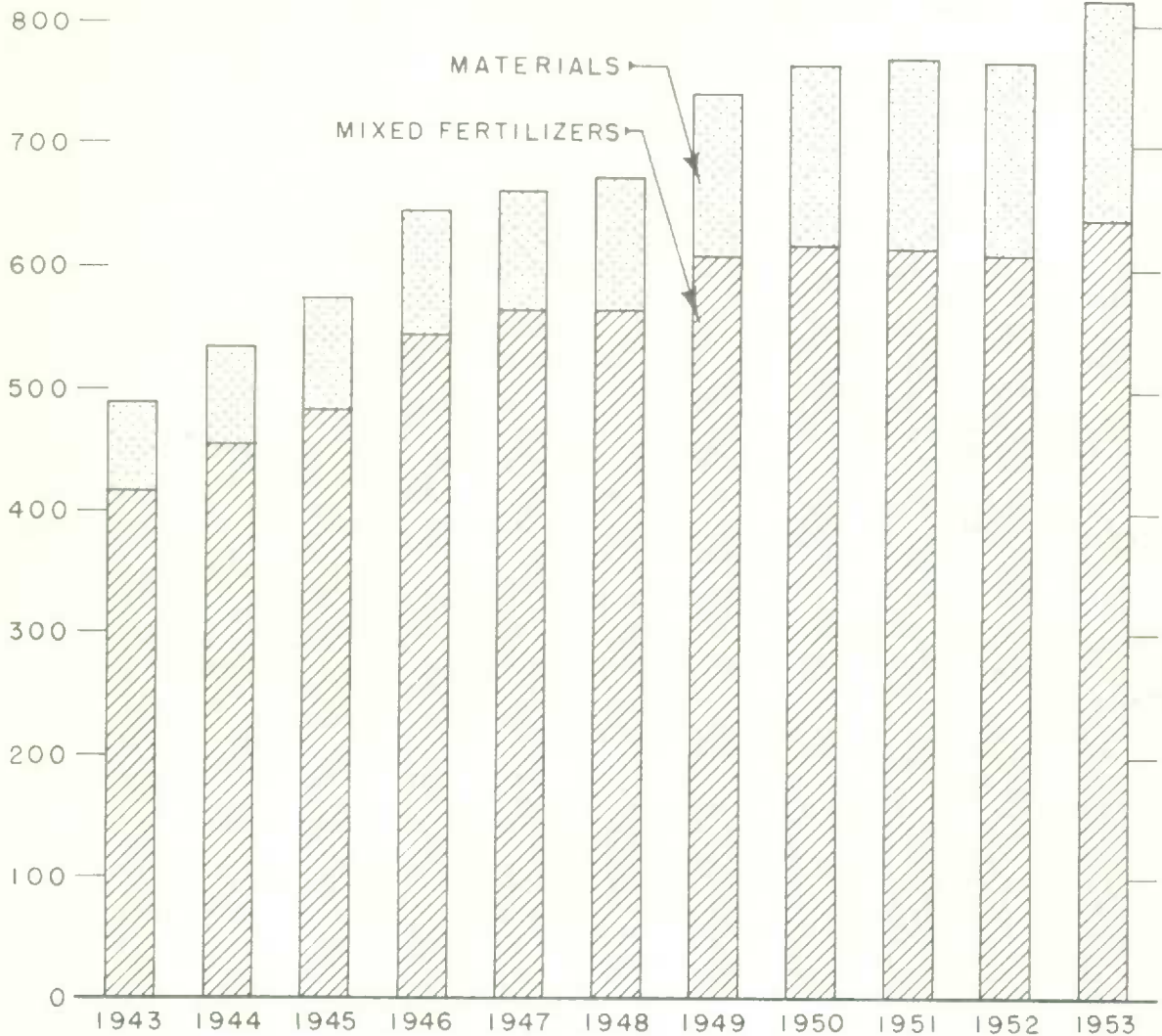


TABLE 7. Tobacco Specials Sold During the Year Ended June 30, 1953

Analysis	Quebec	Ontario	British Columbia	Total
	(short tons)			
N P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O				
0 12 20 .....	-	845	-	845
2 10 8 .....	-	6,001	-	6,001
2 12 10 .....	3,200	38,513	19	41,732
3 10 8 .....	-	1,335	-	1,335
3 18 15 .....	-	1,395	-	1,395
5 8 10 .....	2,112	2	-	2,114
5 10 13 .....	-	398	-	398
Other .....	-	-	-	-
<b>Total</b> .....	<b>5,312</b>	<b>48,489</b>	<b>19</b>	<b>53,820</b>

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

**TABLE 8. Sales of Mixed Fertilizers, Containing Guaranteed Percentages of Boron, During the Year Ended June 30, 1953**

Analysis	New-foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba Saskatchewan and Alberta	British Columbia	Canada	Exported
	(short tons)									
<b>N P<sub>2</sub>O<sub>5</sub> K<sub>2</sub>O</b>										
2 8 16 .....	—	—	—	—	121	—	—	—	121	—
2 12 10 .....	—	—	—	—	121	34	—	—	155	—
2 12 16 .....	—	—	—	—	—	876	—	—	876	—
2 16 6 .....	—	—	—	—	653	32	—	15	700	—
3 12 16 .....	—	—	—	—	—	534	—	—	534	—
3 15 6 .....	442	2,378	1,248	725	—	—	—	—	4,793	5
3 18 9 .....	—	—	—	—	—	269	—	—	269	—
5 10 5 .....	—	—	—	—	548	2,104	—	446	3,098	—
5 10 10 .....	—	—	3	101	24	—	—	—	128	79
5 10 13 .....	—	—	—	23	279	1,701	—	—	2,003	—
6 28 25 .....	—	—	—	—	—	—	—	141	141	—
9 9 7 .....	6	—	1,089	76	—	—	—	—	1,173	—
12 8 0 .....	—	—	—	—	—	—	—	359	359	—
Other .....	52	—	46	100	57	63	—	197	515	28
<b>Total .....</b>	<b>502</b>	<b>2,378</b>	<b>2,386</b>	<b>1,025</b>	<b>1,803</b>	<b>5,613</b>	<b>—</b>	<b>1,158</b>	<b>14,865</b>	<b>112</b>

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, 1953**

Analysis	New-foundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Canada	Exported
	(short tons)									
<b>N P<sub>2</sub>O<sub>5</sub> K<sub>2</sub>O</b>										
2 10 8 .....	—	—	—	—	—	1,403	—	—	1,403	—
2 12 10 .....	—	—	—	—	12	5,534	—	—	5,546	—
5 7 10 .....	—	—	—	—	—	—	—	—	—	1,201
5 8 7 .....	—	—	—	—	—	—	—	—	—	215
5 10 10 .....	71	3,961	1,119	19,160	20	—	—	—	24,331	1,835
5 10 13 .....	30	9,475	356	3,892	106	332	—	—	14,191	—
6 9 9 .....	—	—	5	1,260	—	—	—	—	1,265	2,779
6 9 12 .....	—	403	15	3,956	20	—	—	—	4,394	23,278
6 12 6 .....	—	—	179	—	—	—	—	—	179	—
8 9 10 .....	—	—	—	—	—	—	—	—	—	120
8 12 12 .....	—	—	—	—	—	—	—	—	—	2,054
8 12 16 .....	—	—	—	154	—	—	—	—	154	7,156
8 16 16 .....	—	—	—	—	—	—	—	—	—	286
Other .....	—	27	12	40	9	271	—	104	463	158
<b>Total .....</b>	<b>101</b>	<b>13,866</b>	<b>1,686</b>	<b>28,462</b>	<b>167</b>	<b>7,540</b>	<b>—</b>	<b>104</b>	<b>51,926</b>	<b>39,082</b>

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, 1953**

County	Materials	Mixed fertilizers	Total
	(short tons)		
Kings .....	166	10,357	10,523
Queens .....	516	17,133	17,649
Prince .....	248	21,129	21,377
<b>Total .....</b>	<b>930</b>	<b>48,619</b>	<b>49,549</b>



**TABLE 11. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Nova Scotia During the Year Ended June 30, 1953**

County	Materials	Mixed fertilizers	Total
		(short tons)	
Annapolis .....	98	1,577	1,675
Antigonish.....	55	882	937
Cape Breton .....	49	960	1,009
Colchester.....	178	2,598	2,776
Cumberland .....	46	2,560	2,606
Digby .....	18	945	963
Guysborough.....	—	37	37
Halifax.....	128	1,269	1,397
Hants.....	125	2,484	2,609
Inverness.....	58	642	700
Kings.....	1,081	9,662	10,743
Lunenburg.....	43	1,652	1,695
Pictou.....	145	1,828	1,973
Richmond.....	1	124	125
Queens.....	58	193	251
Sheburne.....	—	115	115
Victoria.....	7	100	107
Yarmouth.....	24	601	625
<b>Total .....</b>	<b>2,114</b>	<b>28,229</b>	<b>30,343</b>

**TABLE 12. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in New Brunswick During the Year Ended June 30, 1953**

County	Materials	Mixed fertilizers	Total
		(short tons)	
Albert.....	—	208	208
Carleton.....	53	23,264	23,317
Charlotte.....	26	937	963
Gloucester.....	94	1,412	1,508
Kent.....	79	1,467	1,546
King's.....	71	1,949	2,020
Madawaska.....	15	3,041	3,056
Northumberland.....	67	1,151	1,218
Queen's.....	20	829	849
Restigouche.....	18	2,464	2,482
Saint John.....	37	910	947
Sunbury.....	2	460	482
Victoria.....	21	22,383	22,404
Westmorland.....	76	3,891	3,967
York.....	84	5,085	5,169
<b>Total .....</b>	<b>663</b>	<b>69,451</b>	<b>70,114</b>

**TABLE 13. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Quebec During the Year Ended June 30, 1953**

County	Materials	Mixed fertilizers	Total
		(short tons)	
Abitibi.....	104	416	520
Argenteuil.....	463	282	745
Arthabaska.....	791	4,901	5,692
Beauharnois.....	91	538	629
Bagot.....	296	2,203	2,499
Beauce.....	180	3,480	3,660
Bellechasse.....	418	2,391	2,809
Bethier.....	31	1,301	1,332
Beauvertre.....	150	1,347	1,497
Brome.....	57	763	820
Chambly.....	49	675	724
Champlain.....	143	1,402	1,545

TABLE 13. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Quebec During the Year Ended June 30, 1953 - Concluded

County	Materials	Mixed fertilizers	Total
		(short tons)	
Charlevoix	54	715	769
Chateauguay	234	1,493	1,727
Chicoutimi	195	1,587	1,782
Compton	119	2,429	2,548
Dorchester	359	2,770	3,129
Drummond	225	2,712	2,937
Frontenac	45	1,743	1,788
Gaspé	87	587	674
Gatineau	6	259	265
Hochelaga	440	1,653	2,093
Hull	26	—	26
Huntingdon	124	1,100	1,224
L'Islet	176	1,131	1,307
Iberville	170	1,577	1,747
Jacques Cartier	155	695	850
Joliette	173	3,944	4,117
Kamouraska	322	2,138	2,460
Labelle	—	583	583
La Prairie	38	2,568	2,606
Lake St. John	41	453	494
L'Assomption	76	1,306	1,382
Laval	111	5,916	6,027
Lavolette	23	261	284
Lévis	378	1,220	1,598
Lotbinière	582	3,250	3,832
Maskinongé	5	155	160
Matapédia	46	884	930
Matane	152	1,953	2,105
Montmorency	54	1,298	1,352
Mégantic	392	3,193	3,585
Montcalm	57	2,715	2,772
Montmagny	170	611	781
Missisquoi	241	2,426	2,667
Napierville	68	5,633	5,701
Nicolet	404	3,867	4,271
Papineau	19	1,517	1,536
Pontiac	5	106	111
Portneuf	189	2,382	2,571
Québec	236	1,538	1,774
Rouville	312	3,295	3,607
Richelleu	231	820	1,051
Richmond	50	1,018	1,068
Rimouski	234	1,831	2,065
Rivière-du-Loup	175	4,731	4,906
Roberval	16	242	258
Saguenay	3	101	104
St. Hyacinthe	695	3,124	3,819
St. Johns	77	966	1,043
St. Maurice	94	840	934
Shefford	119	2,035	2,154
Sherbrooke	124	1,256	1,380
Soulanges	196	227	423
Stanstead	77	1,842	1,919
Témiscamingue	—	2	2
Témiscouata	29	1,144	1,173
Terrebonne	43	1,234	1,277
Two Mountains	82	957	1,039
Verchères	198	1,003	1,201
Vaudreuil	105	138	243
Wolfe	110	1,394	1,504
Yamaska	99	1,131	1,230
Magdalen Islands	—	9	9
<b>Total</b>	<b>12,039</b>	<b>119,407</b>	<b>131,446</b>

TABLE 14. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Ontario During the Year Ended June 30, 1953

County	Materials	Mixed fertilizers	Total
		(short tons)	
Algoma	48	642	690
Brant	771	6,811	7,582
Bruce	1,829	11,310	13,139
Carleton	505	1,594	2,099
Cochrane	83	910	993
Dufferin	311	4,700	5,011

TABLE 14. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Ontario During the Year Ended June 30, 1953 - Concluded

County	Materials	Mixed fertilizers	Total
		(short tons)	
Dundas .....	93	517	610
Durham .....	433	5,873	6,306
Elgin .....	1,839	22,528	24,367
Essex .....	4,298	21,701	25,999
Frontenac .....	143	433	576
Grey .....	1,565	8,455	10,020
Glengarry .....	80	423	503
Grenville .....	110	1,135	1,245
Haldimand .....	588	4,427	5,015
Haliburton .....	6	120	126
Halton .....	290	2,673	2,963
Hastings .....	82	1,759	1,841
Huron .....	1,408	17,673	19,081
Kenora .....	171	9	180
Kent .....	9,318	43,703	53,021
Lambton .....	2,280	11,720	14,000
Lanark .....	203	1,216	1,419
Leeds .....	100	852	952
Lennox-Addington .....	38	555	593
Lincoln .....	883	4,572	5,455
Manitoulin .....	5	351	356
Middlesex .....	1,695	21,054	22,749
Muskoka .....	31	351	382
Nipissing .....	96	468	564
Norfolk .....	2,750	37,985	40,735
Northumberland .....	109	2,185	2,294
Ontario .....	517	5,828	6,345
Oxford .....	1,497	22,641	24,138
Parry Sound .....	21	674	695
Peel .....	570	6,610	7,180
Perth .....	669	13,526	14,195
Peterborough .....	164	1,650	1,814
Prescott .....	37	908	945
Prince Edward .....	102	1,146	1,248
Russell .....	144	883	1,027
Rainy River .....	1	31	32
Renfrew .....	174	596	770
Stormont .....	298	716	1,014
Simcoe .....	1,524	13,329	14,853
Sudbury .....	56	1,764	1,820
Temiskaming .....	32	443	475
Thunder Bay .....	49	385	434
Victoria .....	98	2,084	2,182
Waterloo .....	722	8,304	9,026
Welland .....	547	3,453	4,000
Wellington .....	626	10,834	11,460
Wentworth .....	1,300	6,666	7,966
York .....	3,439	10,393	13,832
No distribution .....	3,063	-	3,063
<b>Total Ontario .....</b>	<b>47,811</b>	<b>351,569</b>	<b>399,380</b>

TABLE 15. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold During the Years Ended June 30, 1952 and 1953

Province	1952				1953			
	Total tonnage	Nitrogen (N)	Phosphoric acid (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)	Total tonnage	Nitrogen (N)	Phosphoric acid (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
	(short tons)							
(a) In Materials								
Newfoundland .....	439	85	4	2	395	83	5	1
Prince Edward Island.....	1,353	140	145	77	930	132	82	46
Nova Scotia.....	2,115	189	250	24	2,114	288	206	28
New Brunswick.....	1,096	112	120	50	663	74	68	24
Quebec.....	10,846	206	1,784	80	12,039	302	1,997	83
Ontario.....	41,218	4,715	4,844	1,993	47,811	5,798	5,164	2,245
Manitoba.....	26,718	3,204	11,343	2	31,381	3,815	13,048	2
Saskatchewan.....	27,486	3,083	12,641	—	33,205	3,800	15,139	1
Alberta.....	31,761	3,886	13,472	—	36,190	4,593	14,962	—
British Columbia.....	13,017	1,737	1,810	366	14,872	2,071	2,158	408
<b>Total Canada.....</b>	<b>156,049</b>	<b>17,357</b>	<b>46,413</b>	<b>2,594</b>	<b>179,600</b>	<b>20,956</b>	<b>52,829</b>	<b>2,838</b>
Exported from Canada.....	617,575	147,001	36,570	18	697,288	166,531	35,926	3
<b>Grand Total.....</b>	<b>773,624</b>	<b>164,358</b>	<b>82,983</b>	<b>2,612</b>	<b>876,888</b>	<b>187,487</b>	<b>88,755</b>	<b>2,841</b>
(b) In Mixtures								
Newfoundland .....	4,349	210	485	381	4,451	212	498	390
Prince Edward Island.....	41,514	1,923	4,543	4,482	48,619	2,298	5,204	5,430
Nova Scotia.....	27,151	1,152	3,432	2,110	28,229	1,234	3,501	2,336
New Brunswick.....	62,304	2,972	6,725	6,156	69,451	3,391	7,358	6,893
Quebec.....	122,106	3,714	13,407	10,470	119,407	4,038	14,295	11,770
Ontario.....	337,731	8,340	42,046	30,217	351,569	10,737	46,544	36,242
Manitoba.....	366	21	48	26	490	32	82	38
Saskatchewan.....	78	3	10	7	107	8	11	6
Alberta.....	87	3	12	8	103	8	20	9
British Columbia.....	16,810	875	2,243	1,566	17,777	975	2,360	1,735
<b>Total Canada.....</b>	<b>612,496</b>	<b>19,213</b>	<b>72,951</b>	<b>55,423</b>	<b>640,203</b>	<b>22,933</b>	<b>79,873</b>	<b>64,749</b>
Exported from Canada.....	42,655	2,557	4,065	4,950	53,596	3,097	6,139	7,144
<b>Grand Total.....</b>	<b>655,151</b>	<b>21,770</b>	<b>77,016</b>	<b>60,373</b>	<b>693,799</b>	<b>26,030</b>	<b>86,012</b>	<b>71,893</b>
(c) Total								
Newfoundland .....	4,788	295	489	383	4,846	295	503	391
Prince Edward Island.....	42,867	2,063	4,688	4,559	49,549	2,430	5,286	5,476
Nova Scotia.....	29,266	1,341	3,682	2,134	30,343	1,522	3,707	2,264
New Brunswick.....	63,400	3,084	6,845	6,206	70,114	3,465	7,426	6,917
Quebec.....	132,952	3,920	15,191	10,550	131,446	4,340	16,292	11,853
Ontario.....	378,949	13,055	46,890	32,210	399,380	16,535	51,708	38,487
Manitoba.....	27,084	3,225	11,391	28	31,871	3,847	13,130	40
Saskatchewan.....	27,564	3,086	12,651	7	33,312	3,808	15,150	7
Alberta.....	31,848	3,889	13,484	8	36,293	4,601	14,982	9
British Columbia.....	29,827	2,612	4,053	1,932	32,649	3,046	4,518	2,143
<b>Total Canada.....</b>	<b>768,545</b>	<b>36,570</b>	<b>119,364</b>	<b>58,017</b>	<b>819,803</b>	<b>43,889</b>	<b>132,702</b>	<b>67,587</b>
Exported from Canada.....	660,230	149,558	40,635	4,966	750,884	169,628	42,065	7,147
<b>Grand Total.....</b>	<b>1,428,775</b>	<b>186,128</b>	<b>159,999</b>	<b>62,985</b>	<b>1,570,687</b>	<b>213,517</b>	<b>174,767</b>	<b>74,734</b>

TABLE 16. Fertilizers Sold for Consumption During the Years Ended June 30, 1927 and 1929-1953

Year	Materials		Mixtures		Total
	Quantity	Percentage of total	Quantity	Percentage of total	
	tons		tons		
1927	105,141	62.1	64,423	37.9	169,564
1929	115,672	51.7	108,078	48.3	223,750
1930	166,257	51.8	154,950	48.2	321,207
1931	137,813	48.5	146,404	51.5	284,217
1932	92,864	51.6	87,119	48.4	179,983
1933	82,374	49.5	84,033	50.5	166,407
1934	98,955	50.8	95,896	49.2	194,851
1935	104,711	49.3	107,768	50.7	212,479
1936	96,479	41.2	137,361	58.8	233,840
1937	106,993	35.9	191,283	64.1	298,276
1938	106,774	33.0	216,602	67.0	323,376
1939	101,077	30.3	232,926	69.7	334,003
1940	85,638	24.7	261,083	75.3	346,721
1941	74,534	23.0	249,667	77.0	324,201
1942	72,136	17.2	347,411	82.8	419,547
1943	72,162	14.7	417,699	85.3	498,861
1944	79,233	14.8	455,875	85.2	535,108
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

TABLE 17. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold During the Years Ended June 30, 1936-1953

Year	In materials			In mixtures			Total		
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
	(short tons)								
1936	3,972	14,963	4,071	4,276	13,427	10,303	8,248	28,390	14,374
1937	4,544	17,934	4,623	5,714	19,095	14,819	10,258	37,029	19,442
1938	4,509	17,321	4,779	6,247	22,185	17,142	10,756	39,506	21,921
1939	4,422	15,982	4,931	6,531	24,193	18,408	10,953	40,175	23,339
1940	4,284	15,156	4,137	7,180	27,245	21,106	11,464	42,401	25,243
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

TABLE 18. Lime and Limestone Produced in Canada for Agricultural Purposes, 1935-1952

Year	Lime	Limestone (including marl)	Year	Lime	Limestone (including marl)
(short tons)			(short tons)		
1935	6,430	81,564	1944	15,190	316,545
1936	6,551	93,071	1945	14,420	419,579
1937	6,697	111,428	1946	4,294	480,639
1938	6,495	128,289	1947	6,664	450,553
1939	8,547	191,833	1948	12,249	595,421
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	461,930



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CHEMICALS AND ALLIED PRODUCTS

List of Reporting Companies, 1953

Name of company	Address
Agricultural Chemicals, Ltd.	P.O. Box 250, Port Hope, Ontario
Agricultural Chemicals, Ltd.	Chambly, Quebec
Aldridge-Benson Co. Ltd.	709 Dunsmuir, Vancouver, British Columbia
Algoma Steel Corporation Ltd.	Sault Ste. Marie, Ontario
Associated Shippers Inc.	Charlottetown, Prince Edward Island
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; Beloell, Quebec; Montreal, Quebec; Chatham, Ontario; Hamilton, Ontario
Chilean Nitrate Sales Corp.	120 Broadway, New York, N.Y., U.S.A.
Canadian Organic Developments Ltd.	Calgary, Alberta
Colonial Fertilizer Co. Ltd.	Windsor, Nova Scotia
Compagnie Nord Africaine de l'Hyperphosphate Reno	1504, rue de la Montagne, Montreal, Quebec
Consolidated Mining, Smelting and Refining Company of Canada, Ltd.	Trail, British Columbia
Davey Tree Expert Co. of Canada, Ltd.	Toronto, Ontario
Dominion Potash Limited	354 St. Catherine St. E., Montreal, Quebec
Dominion Seed House	Georgetown, Ontario
Dominion Iron & Steel Corp.	Sydney, Nova Scotia
Fishermen's Co-operative Federation	2195 Commissioner St., Vancouver, British Columbia
Gainers Ltd.	South Edmonton, Alberta
Globe Fertilizer Company Ltd.	Crompton Rd., Vancouver, British Columbia
Green Valley Fertilizer & Chemical Co. Ltd.	New Westminster, British Columbia
Hamilton By-Product Coke Ovens Ltd.	Hamilton, Ontario
Harris, W., and Co.	Toronto, Ontario
Houde, W., Ltd.	Laprairie, Quebec
Hy-Trous Company of Canada	125 Pitt St., Cornwall, Ontario
International Agricultural Corp. Ltd.	P.O. Box 21, Station A, Buffalo, New York, U.S.A.
International Fertilizers, Ltd.	71 St. Peter St., 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's Seeds and Fertilizers	Port Dover, Ontario
Montreal Coke and Manufacturing Co.	P.O. Box 297, Montreal, Quebec
Na-churs Plant Food Co. Ltd.	2 Langarth St. W., London, Ontario
North American Cyanamid Co.	Niagara Falls, Ontario
North American Cyanamid Co. (Welland works)	Niagara Falls, Ontario
Ontario Plant Foods Ltd.	P.O. Box 748, Delhi, Ontario
Prince Edward Island Potato Growers' Association	Charlottetown, Prince Edward Island
Pulverized Manure Company	503 Exchange Bldg., Chicago, Illinois, U.S.A.
Read Brothers Fertilizers Limited	Elmira, Ontario
Steel Company of Canada, Ltd.	Hamilton, Ontario
Stone, William, Sons Ltd.	Ingersoll, Ontario
Summers Fertilizer Co., Inc.	St. Stephen, New Brunswick
Swift Canadian Company, Limited	1960 St. Clair Ave. West, Toronto, Ontario
Swift Canadian Company, Limited	St. Boniface, Manitoba
Toronto Salt Works	Toronto, Ontario
United Co-operative Co. Ltd.	Toronto, Ontario
Vitalerth Products Ltd.	1741 W. 4th Ave., Vancouver, British Columbia
Witts Fertilizer Works	Norwich, Ontario
Young, Gordon, Ltd.	166 Keating St., Toronto, Ontario