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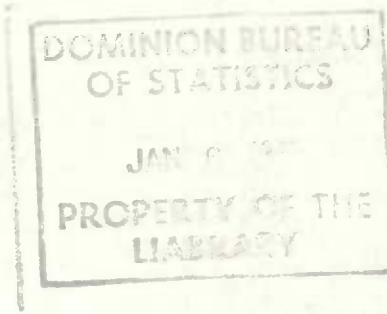
**46-207**

ANNUAL



# THE FERTILIZER TRADE

July 1, 1959 - June 30, 1960



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## PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries classified to the **Chemicals and Allied Products Major Group** are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

A — Annual      B — Biennial      M — Monthly      S.C. — Special Compilation

Catalogue number	Title	Price
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*Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.*



## EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

### Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

### Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

### Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

### Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

### Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

### Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

### Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or



plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

### **Inventories**

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

### **Value Added by Manufacturing**

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.<sup>1</sup>

### **Standard Industrial Classification**

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

### **Short Forms**

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

<sup>1</sup> To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

# THE FERTILIZER TRADE

July 1, 1959 - June 30, 1960

Sales of mixed fertilizers and fertilizer materials for direct application to the soil, including exports, amounted to 1,904,419 tons in the year ended June 30, 1960. Sales to Canadian users totalled 935,428 tons, including 243,720 tons of fertilizer materials and 691,708 tons of mixtures. Sales of materials increased 11.5 per cent and mixtures .3 per cent over 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 1,414,217 tons compared with 1,311,619 tons in the preceding year, and the output of mixed fertilizers decreased to 770,435 tons from 780,501 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 1,070,090 tons compared with 950,999 tons during the previous fertilizer year. The more important items which were brought in were natural phosphate rock, 712,268 tons; superphosphate, 156,192 tons; muriate of potash, 118,502 tons; nitrogen solution, 22,154 tons and sulphate of potash, 22,123 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 918,626 tons including 24,936 tons of anhydrous ammonia a 9 per cent increase from the previous years total of 842,792 tons which included 15,458 tons of anhydrous ammonia. Exports of mixed fertilizers amounted to 50,365 tons an increase of 24.8 per cent over the previous years total of 40,358 tons.

**TABLE 1. Sales of Fertilizers, Years Ended June 30, 1959 and 1960.**

	Fertilizer materials			Mixed fertilizers			Total		
	1959	1960	Per cent change	1959	1960	Per cent change	1959	1960	Per cent change
	short tons								
Newfoundland .....	513	340	-33.7	5,017	4,684	- 6.6	5,530	5,024	- 9.2
Prince Edward Island .....	406	380	- 6.4	48,225	53,549	+11.0	48,631	53,929	+10.9
Nova Scotia .....	2,290	2,120	- 7.4	25,500	24,717	- 3.1	27,790	26,837	- 3.4
New Brunswick .....	676	728	+ 7.7	60,943	67,130	+10.2	61,619	67,858	+10.1
Quebec .....	14,899	15,142	+ 1.6	135,525	158,624	+17.0	150,424	173,766	+15.6
Ontario .....	72,444	73,798	+ 1.9	395,173	363,334	- 8.1	467,617	437,132	- 6.5
Manitoba .....	20,204	21,607	+ 6.9	890	857	- 3.7	21,094	22,464	+ 6.5
Saskatchewan .....	27,473	34,766	+26.5	159	135	-15.1	27,632	34,901	+26.3
Alberta .....	64,710	78,122	+22.3	475	756	+59.2	65,185	79,878	+22.5
British Columbia .....	15,046	15,717	+ 4.4	17,646	17,922	+ 1.6	32,692	33,639	+ 2.9
<b>Canada .....</b>	<b>218,661</b>	<b>243,720</b>	<b>+11.5</b>	<b>689,553</b>	<b>691,708</b>	<b>+ .3</b>	<b>908,214</b>	<b>935,428</b>	<b>+ 3.0</b>
Export .....	842,792	918,626	+ 9.0	40,358	50,365	+24.8	883,150	968,991	+ 9.7
<b>Totals .....</b>	<b>1,061,453</b>	<b>1,162,346</b>	<b>+ 9.5</b>	<b>729,911</b>	<b>742,073</b>	<b>+ 1.7</b>	<b>1,791,364</b>	<b>1,904,419</b>	<b>+ 6.3</b>

**TABLE 2. Production and Imports of Fertilizers, as Reported by Manufacturers and Importers, during the Years Ended June 30, 1959 and 1960**

Item	1959		1960	
	Manufactured	Imported	Manufactured	Imported
	short tons			
Mixed fertilizers—Solid .....	774,309	1,255	764,185	4,879
Mixed fertilizers—Liquid .....	1	—	1	—
Nitrogen solution .....	1	28,441	1	22,154
Ammonium sulphate .....	332,001	5,616	301,739	4,012
Superphosphate .....	1	149,890	1	156,192
Ammonium nitrate .....	1	—	1	96
Ammonium phosphate .....	1	39	1	70
Cyanamide .....	1	—	1	—
Natural phosphate rock <sup>2</sup> .....	—	559,823	—	712,268
Bone meal or bone flour .....	620	487	577	990
Muriate of potash, 50% K <sub>2</sub> O .....	—	—	—	—
Muriate of potash, 60% K <sub>2</sub> O .....	—	149,440 <sup>3</sup>	8	118,502 <sup>3</sup>
Sulphate of potash .....	—	20,654 <sup>3</sup>	1	22,123 <sup>3</sup>
Sulphate of potash, magnesia .....	—	4,257 <sup>3</sup>	—	5,344 <sup>3</sup>
Tankage .....	340	997	271	100
Animal manure .....	—	1,750	1	1,698
Dried blood .....	—	—	—	—
Nitrate of soda .....	—	691	—	576
Sewage sludge .....	—	8,980	—	8,123
Other materials <sup>4</sup> .....	978,654	18,679	1,117,930	13,364

<sup>1</sup> Not available for publication separately but included with "other materials".

<sup>2</sup> Used in making superphosphate and ammonium phosphate in Canadian fertilizer plants.

<sup>3</sup> As reported in Trade of Canada, Vol. III Imports.

<sup>4</sup> Lime and anhydrous ammonias not included.



TABLE 3. Sales of Fertilizers, Except for Manufacturing Purposes, during the Year Ended June 30, 1959

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											
Animal manure.....	—	—	54	35	632	983	—	—	—	73	1,777
Anhydrous ammonia (for direct application only)	—	—	—	—	—	1,750	92	16	426	25	2,309
Ammonium nitrate.....	107	280	937	276	1,008	22,546	824	1,062	7,929	3,325	38,294
Ammonium nitrate phosphate — 23-23-0.....	—	—	—	—	—	—	—	—	—	—	—
24-20-0.....	—	—	—	—	—	—	—	—	—	—	—
27-14-0.....	—	—	—	—	—	—	—	—	—	—	—
Ammonium phosphate — 11-48-0.....	—	—	—	—	24	3,020	12,368	21,559	32,487	1,751	71,209
13-39-0.....	—	—	—	—	—	—	—	—	—	—	—
16-20-0.....	—	—	—	—	—	111	5,012	3,186	16,953	3,558	28,820
Basic slag.....	—	—	—	—	658	—	—	—	—	—	658
Bone meal, bone flour and bone-phosphate.....	7	2	70	14	57	823	28	3	75	588	1,667
Cyanamide (fertilizer grade only).....	—	—	37	4	52	2,082	—	—	—	88	2,263
Muriate of potash — 60%.....	3	10	88	19	339	5,674	6	—	4	511	6,654
Natural phosphate rock.....	—	—	—	—	2,056	44	—	—	—	5	2,105
Nitrogen solution.....	—	—	—	—	70	2,345	—	—	—	—	2,415
Nitrate of soda.....	363	1	11	6	70	418	—	—	—	8	877
Sewage sludge.....	5	—	59	17	350	5,301	—	—	—	600	6,332
Sulphate of ammonia.....	6	17	72	30	117	2,069	75	149	2,933	1,766	7,234
Sulphate of potash.....	—	—	2	—	28	415	1	1	4	294	745
Sulphate of potash magnesia.....	—	—	—	—	4	256	1	—	—	—	261
Superphosphate — 20% (P <sub>2</sub> O <sub>5</sub> ).....	22	96	867	236	8,936	21,555	—	—	10	1,020	32,742
Superphosphate (triple) — 45% (P <sub>2</sub> O <sub>5</sub> ).....	—	—	1	—	218	1,121	—	—	—	289	1,629
Tankage.....	—	—	—	—	28	50	—	—	—	232	310
Urea (for fertilizer use only).....	—	—	42	15	48	27	—	—	—	—	132
Other fertilizer materials <sup>1</sup> .....	—	—	50	24	204	1,854	1,797	1,497	3,889	913	10,228
<b>Total materials.....</b>	<b>513</b>	<b>406</b>	<b>2,290</b>	<b>676</b>	<b>14,899</b>	<b>72,444</b>	<b>20,204</b>	<b>27,473</b>	<b>64,710</b>	<b>15,046</b>	<b>218,661</b>
Mixed fertilizers (see Table 5).....	5,017	48,225	25,500	60,943	135,525	395,173	890	159	475	17,646	689,553
<b>Totals — 1958-59.....</b>	<b>5,530</b>	<b>48,631</b>	<b>27,790</b>	<b>61,619</b>	<b>150,424</b>	<b>467,617</b>	<b>21,094</b>	<b>27,632</b>	<b>64,185</b>	<b>32,692</b>	<b>908,214</b>
<b>Totals — 1957-58.....</b>	<b>4,934</b>	<b>53,430</b>	<b>27,846</b>	<b>62,418</b>	<b>154,785</b>	<b>451,316</b>	<b>16,289</b>	<b>21,436</b>	<b>47,952</b>	<b>30,133</b>	<b>870,539</b>

<sup>1</sup> Included with "Other fertilizer materials".<sup>2</sup> Does not include lime.

TABLE 4. Sales of Fertilizers, Except for Manufacturing Purposes, during the Year Ended June 30, 1960

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											
Animal manure.....	1	10	66	20	645	969	—	—	—	82	1,793
Anhydrous ammonia (for direct application only)	—	—	—	—	—	1,995	52	—	368	3	2,418
Ammonium nitrate.....	83	231	824	222	952	22,473	1,031	1,475	11,265	3,722	42,278
Ammonium nitrate phosphate — 23-23-0.....	—	—	—	—	—	—	—	—	—	—	—
24-20-0.....	—	—	—	—	—	—	—	—	—	—	—
27-14-0.....	—	—	—	—	—	—	—	—	—	—	—
Ammonium phosphate — 11-48-0.....	—	—	—	—	363	4,968	12,817	26,847	37,420	1,585	84,000
13-39-0.....	—	—	—	—	—	—	—	—	—	—	—
16-20-0.....	—	—	—	—	5	742	5,217	3,726	21,188	3,511	34,389
Basic slag.....	—	—	—	—	783	3	—	—	—	—	786
Bone meal, bone flour and bone-phosphate.....	3	4	85	27	88	936	26	3	75	493	1,740
Cyanamide (fertilizer grade only).....	—	2	19	3	42	1,342	—	—	—	69	1,477
Muriate of potash — 60%.....	2	12	89	131	455	4,969	3	4	29	562	6,256
Natural phosphate rock.....	—	—	—	2	1,732	8	—	—	—	13	1,755
Nitrogen solution.....	—	—	—	—	92	2,665	—	—	—	—	2,757
Nitrate of soda.....	200	—	7	8	67	276	—	—	—	6	564
Sewage sludge.....	—	—	27	32	118	5,912	5	2	—	659	6,755
Sulphate of ammonia.....	5	14	71	29	55	549	86	156	3,608	2,032	6,605
Sulphate of potash.....	—	—	3	—	83	638	—	—	2	317	1,043
Sulphate of potash magnesia.....	—	—	—	—	1	429	—	—	—	—	442
Superphosphate — 20% (P <sub>2</sub> O <sub>5</sub> ).....	46	102	535	211	1,296	21,575	1	—	12	1,050	32,828
Superphosphate (triple) — 45% (P <sub>2</sub> O <sub>5</sub> ).....	—	—	171	—	145	1,342	—	4	3	507	2,172
Tankage.....	—	—	—	—	37	51	—	—	—	164	252
Urea (for fertilizer use only).....	—	1	116	11	104	646	—	—	—	53	931
Other fertilizer materials <sup>1</sup> .....	—	4	107	32	79	1,310	2,369	2,549	5,152	877	12,479
<b>Total materials.....</b>	<b>340</b>	<b>380</b>	<b>2,120</b>	<b>728</b>	<b>15,142</b>	<b>73,798</b>	<b>21,607</b>	<b>34,766</b>	<b>79,122</b>	<b>15,717</b>	<b>243,720</b>
Mixed fertilizers (see Table 6).....	4,684	53,549	24,717	67,130	158,624	363,334	857	135	756	17,922	691,708
<b>Totals — 1959-60.....</b>	<b>5,024</b>	<b>53,929</b>	<b>26,837</b>	<b>67,858</b>	<b>173,766</b>	<b>437,132</b>	<b>22,464</b>	<b>34,901</b>	<b>79,878</b>	<b>33,639</b>	<b>935,428</b>
<b>Totals — 1958-59.....</b>	<b>5,530</b>	<b>48,631</b>	<b>27,790</b>	<b>61,619</b>	<b>150,424</b>	<b>467,617</b>	<b>21,094</b>	<b>27,632</b>	<b>65,185</b>	<b>32,692</b>	<b>908,214</b>

<sup>1</sup> Included with "Other fertilizer materials".<sup>2</sup> Does not include lime.

TABLE 5. Mixed Fertilizers Sold during the Year Ended June 30, 1959

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 <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O										
0	5	15	—	—	—	—	610	20	—	—	630	—
0	12	12	—	—	—	—	—	21	—	—	21	—
0	12	20	—	—	—	—	146	1,426	—	2	1,574	—
0	12	24	—	—	—	—	—	3,445	—	—	3,445	—
0	14	14	—	—	—	—	881	1,313	—	—	2,194	—
0	15	15	—	—	—	—	—	1,004	—	77	1,081	—
0	15	30	—	—	—	—	25	—	—	—	25	459
0	20	0	—	—	—	—	—	115	—	—	115	—
0	20	10	—	—	—	—	1,390	2,653	—	—	4,043	25
0	20	20	73	74	1,195	317	2,682	9,121	—	—	13,462	673
2	10	15	—	—	—	—	—	182	—	—	182	—
2	10	20	—	—	—	—	1,805	30	—	—	1,835	—
2	12	10	—	—	—	20	29,720	65,318	—	—	95,058	—
2	12	12	—	—	—	—	488	21,842	—	—	22,330	—
2	12	14	—	—	—	—	489	14,137	—	—	14,626	—
2	12	16	—	—	—	—	651	13,113	—	—	13,764	—
2	12	20	—	—	—	—	—	5,614	—	—	5,614	—
2	14	8	—	—	—	—	3,434	752	—	—	4,186	—
2	14	14	—	—	—	—	—	1,452	—	—	1,452	—
2	15	15	—	—	—	—	20	16	—	1,374	1,410	—
2	16	6	—	—	—	—	14,911	3,604	—	—	18,515	—
2	16	16	—	—	—	—	664	2	—	—	666	—
2	18	18	—	8	—	—	83	7,896	—	—	7,987	—
2	20	18	—	—	—	—	—	175	—	—	175	—
2	20	20	—	—	—	—	—	224	—	—	224	—
3	12	12	—	—	—	—	1,492	4,108	—	—	5,600	—
3	12	16	—	—	—	—	—	779	—	—	779	—
3	14	3	—	—	—	—	136	—	—	—	136	—
3	15	6	718	4,152	7,591	6,393	217	—	—	—	19,071	12
3	15	10	—	—	—	—	—	9,343	—	—	9,343	—
3	15	30	—	—	—	—	114	—	—	—	114	—
3	16	16	—	—	306	—	—	—	—	—	306	—
3	18	9	—	—	—	—	—	18,220	—	—	18,220	—
3	18	15	—	—	—	—	10	1,743	—	—	1,753	—
3	18	18	—	—	—	—	—	436	—	—	436	—
4	9	5	—	—	—	—	—	214	—	—	214	—
4	10	10	—	—	—	—	—	21	—	3,630	3,651	—
4	12	8	—	1	—	—	—	259	—	82	342	—
4	12	10	—	25	—	—	17	20,920	—	—	20,962	—
4	12	16	—	—	—	—	56	2,895	—	—	2,951	—
4	16	16	—	—	—	—	274	1,202	—	—	1,476	—
4	24	12	—	—	—	5	81	21,595	—	—	21,681	7
4	24	20	—	—	—	—	10,321	40,827	—	—	51,148	—
5	8	11	—	—	—	—	2,506	4	—	—	2,510	—
5	10	5	—	—	—	—	39	55	—	2	96	209
5	10	10	2,278	395	1,140	14,276	15,314	1,219	—	—	34,622	1,739
5	10	13	180	22,728	1,340	3,366	33,970	4,055	—	—	65,639	—
5	10	15	—	—	—	—	497	26,145	16	—	26,658	—

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

TABLE 5. Mixed Fertilizers Sold during the Year Ended June 30, 1959 - 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 <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O										
5	10	30	-	-	-	-	-	479	-	-	479	-
5	15	10	-	-	-	-	-	35	-	-	35	134
5	20	0	-	-	-	-	-	1,656	-	-	1,656	-
5	20	10	-	-	-	-	6	10,743	-	-	10,749	-
5	20	20	-	-	-	-	-	7,833	-	-	7,833	4
6	8	6	-	-	-	-	-	-	-	2,145	2,145	-
6	9	6	29	-	48	13	967	979	-	-	2,036	-
6	9	9	-	-	-	1,028	-	-	-	-	1,028	153
6	9	12	-	41	-	5,684	-	-	-	-	5,725	1,276
6	10	4	29	-	43	165	1,186	3,220	448	82	5,173	-
6	10	10	-	-	-	-	-	-	-	356	356	-
6	12	6	551	70	1,603	1,141	1	24	-	-	3,390	147
6	12	8	1	285	645	10,243	-	-	-	-	11,174	-
6	12	12	1,157	20,282	10,644	16,888	4,392	7,710	-	-	61,073	18
6	24	24	-	-	-	-	-	-	-	-	-	220
6	27	25	-	-	-	-	-	-	-	142	142	-
6	30	15	-	-	-	-	-	-	-	1,360	1,360	-
7	7	7	-	-	-	15	286	4,173	-	-	4,474	-
7	8	6	-	-	-	-	-	-	-	1,680	1,680	-
8	9	10	-	40	10	410	-	-	-	-	460	2,034
8	9	12	-	-	-	-	-	-	-	-	-	407
8	10	5	-	-	-	-	-	-	-	656	656	-
8	10	6	-	-	-	-	-	-	-	411	411	-
8	12	12	-	57	-	292	-	-	-	92	441	8,466
8	12	16	-	-	-	-	-	-	-	-	-	1,258
8	16	16	-	-	-	25	1,113	1,504	-	-	2,642	3,030
8	24	20	-	-	-	-	-	358	-	-	358	-
8	32	16	-	-	-	-	-	-	-	-	-	3,381
9	5	7	-	-	-	111	18	-	-	-	129	-
9	5	10	-	-	120	-	-	-	-	-	120	-
9	9	7	-	26	784	116	-	138	-	-	1,064	4
10	5	5	-	-	-	-	42	63	-	-	105	-
10	5	10	-	-	-	-	778	1,270	-	-	2,048	10
10	6	4	-	3	12	78	622	1,947	-	238	2,900	125
10	10	10	-	20	1	142	1,588	34,647	-	-	36,398	8,184
10	15	15	-	-	-	25	-	45	-	-	70	943
10	20	0	-	-	-	-	-	104	-	-	104	-
10	20	10	-	-	-	-	1	450	-	2,227	2,678	14
10	20	20	-	-	-	-	-	410	-	-	410	-
10	24	12	-	-	-	-	-	851	-	-	851	-
10	30	10	-	-	-	-	-	5	728	559	1,292	4,429
10	32	10	-	-	-	-	-	-	239	65	304	-
10	52	17	1	-	6	2	15	138	-	2	164	-
12	12	12	-	-	-	-	-	661	-	-	661	779
13	13	13	-	-	-	-	-	-	-	-	-	1,010
13	16	10	-	-	-	-	-	-	26	1,732	1,758	-
14	14	7	-	-	-	-	-	-	-	-	-	1,035
Other mixes			-	18	12	188	1,467	8,215	67	732	10,699	174
<b>Totals 1959</b>			<b>5,017</b>	<b>48,225</b>	<b>25,500</b>	<b>60,943</b>	<b>135,525</b>	<b>395,173</b>	<b>1,524</b>	<b>17,646</b>	<b>689,553</b>	<b>40,358</b>
<b>Totals 1958</b>			<b>4,523</b>	<b>52,995</b>	<b>25,603</b>	<b>61,519</b>	<b>140,300</b>	<b>385,626</b>	<b>1,200</b>	<b>16,800</b>	<b>688,566</b>	<b>42,706</b>

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



TABLE 6. Mixed Fertilizers Sold during the Year Ended June 30, 1960

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										
<b>N P<sub>2</sub>O<sub>5</sub> K<sub>2</sub>O</b>										
0 12 20 .....	—	—	—	—	18	1,413	—	—	1,431	—
0 12 24 .....	—	—	—	—	—	2,039	—	—	2,039	—
0 14 14 .....	—	—	—	—	1,559	868	—	—	2,427	—
0 15 15 .....	—	—	—	—	—	688	—	78	766	5
0 20 10 .....	—	—	—	—	1,460	1,824	—	—	3,284	—
0 20 20 .....	74	77	981	400	4,371	8,083	—	—	13,986	610
2 10 20 .....	—	—	—	—	2,268	104	—	—	2,372	—
2 12 10 .....	—	—	—	—	27,969	47,068	—	—	75,037	—
2 12 12 .....	—	—	—	—	2,361	27,358	—	—	29,719	—
2 12 14 .....	—	—	—	—	294	17,241	—	—	17,535	—
2 12 16 .....	—	—	—	—	634	15,055	—	—	15,689	—
2 12 20 .....	—	—	—	—	—	4,700	—	—	4,700	—
2 14 8 .....	—	—	—	—	3,811	223	—	—	4,034	—
2 14 14 .....	—	—	—	—	—	1,615	—	—	1,615	—
2 15 15 .....	—	—	—	—	—	169	—	1,044	1,213	—
2 16 6 .....	—	—	—	—	17,233	1,773	—	—	19,006	—
2 18 18 .....	—	4	—	—	4	8,931	3	—	8,942	—
2 20 20 .....	—	—	—	—	—	233	—	—	233	—
3 12 12 .....	—	—	—	—	2,784	2,802	—	—	5,586	—
3 12 16 .....	—	—	—	—	—	1,015	—	—	1,015	—
3 15 6 .....	659	4,098	5,789	5,487	575	—	—	—	16,608	9
3 15 10 .....	—	—	—	—	—	8,551	—	—	8,551	—
3 15 30 .....	—	—	—	—	161	—	—	—	161	—
3 16 16 .....	5	7	1,477	67	—	—	—	—	1,556	—
3 18 9 .....	—	—	—	—	—	15,537	—	—	15,537	—
3 18 15 .....	—	—	—	—	—	1,120	—	—	1,120	—
3 18 18 .....	—	—	—	—	—	529	—	—	529	—
4 10 10 .....	—	—	—	—	—	—	—	3,257	3,257	—
4 12 8 .....	2	5	—	9	—	383	—	50	449	17
4 12 10 .....	—	—	—	—	15	15,869	—	—	15,884	—
4 12 16 .....	—	—	—	—	—	2,304	—	—	2,304	—
4 16 16 .....	—	—	—	—	—	702	—	—	702	—
4 24 12 .....	—	—	—	—	127	15,736	—	—	15,863	—
4 24 20 .....	—	—	—	—	19,607	35,007	—	—	54,614	—
5 8 11 .....	—	—	—	—	3,124	4	—	—	3,128	—
5 10 10 .....	21	146	1,099	13,238	16,396	1,669	—	—	32,571	1,783
5 10 13 .....	1,828	19,111	1,098	5,608	35,086	2,361	—	—	65,092	26
5 10 15 .....	—	—	—	—	700	22,900	5	—	23,605	—
5 10 30 .....	—	—	—	—	—	682	—	—	682	—
5 20 0 .....	—	—	—	—	—	2,058	—	—	2,058	—
5 20 10 .....	—	—	—	—	71	14,997	—	—	15,068	—
5 20 20 .....	—	—	—	—	20	12,678	—	—	12,698	—
6 8 8 .....	—	—	—	—	—	—	—	2,289	2,289	—
6 9 6 .....	41	—	60	21	1,035	1,259	20	—	2,436	—

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, 1960 - Concluded

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
short tons												
N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O										
6	9	9	—	—	—	620	—	—	—	—	620	263
6	9	12	—	—	—	10	—	—	—	—	10	1,645
6	10	4	—	—	—	—	75	327	28	83	513	—
6	10	10	—	—	—	—	—	1	—	468	469	—
6	12	6	17	2	103	10	24	—	—	—	156	72
6	12	8	407	295	1,154	14,801	7	—	—	—	16,664	18
6	12	12	1,556	29,675	11,058	23,225	7,007	5,410	—	—	77,931	—
6	24	24	—	—	—	—	—	—	—	156	156	—
6	27	25	—	—	—	—	—	—	—	157	157	—
6	30	15	—	—	—	—	—	—	—	1,223	1,223	—
7	7	7	—	—	—	1	6	4,807	—	—	4,814	—
7	8	6	—	—	—	—	—	—	—	1,720	1,720	—
8	9	10	—	100	—	403	—	—	—	—	503	2,219
8	10	6	—	—	—	—	—	—	—	1,166	1,166	—
8	12	12	—	—	8	657	—	—	—	—	665	10,323
8	12	16	—	—	—	—	73	—	—	—	73	534
8	16	8	2	—	865	1,231	—	—	—	—	2,098	—
8	16	16	—	—	—	—	2,476	4,255	—	—	6,731	3,008
8	24	20	—	—	—	—	—	101	—	—	101	—
8	32	16	—	—	—	—	—	—	—	—	—	3,284
9	5	10	—	—	139	—	—	—	—	—	139	—
9	9	7	1	5	871	39	—	16	—	—	932	4
10	5	5	—	—	—	—	133	13	—	—	146	—
10	5	10	—	—	—	—	703	1,218	—	—	1,921	—
10	6	4	56	6	—	60	640	2,438	—	354	3,554	15
10	10	10	5	16	—	535	2,774	33,738	—	—	37,068	7,694
10	15	15	—	—	—	30	—	60	—	—	90	1,131
10	20	0	—	—	—	—	—	230	—	—	230	—
10	20	10	—	—	—	11	15	120	5	1,716	1,867	—
10	20	20	—	—	—	—	—	302	—	—	302	—
10	24	12	—	—	—	—	76	800	—	—	876	—
10	30	10	—	—	—	—	—	17	970	954	1,941	3,787
10	52	17	—	—	7	2	11	178	—	—	198	2
12	12	12	—	—	—	—	—	741	—	—	741	896
13	13	13	—	—	—	—	—	—	99	41	140	5,798
13	16	10	—	—	—	—	—	—	—	2,662	2,662	—
14	7	7	—	—	—	—	—	477	—	—	477	—
14	14	7	—	—	—	—	—	—	177	1	178	6,024
Other mixes			10	—	28	665	2,921	10,537	441	503	15,105	1,253
<b>Totals 1960</b>			<b>4,684</b>	<b>53,549</b>	<b>24,717</b>	<b>67,130</b>	<b>158,624</b>	<b>363,334</b>	<b>1,748</b>	<b>17,922</b>	<b>691,708</b>	<b>50,365</b>
<b>Totals 1959</b>			<b>5,017</b>	<b>48,225</b>	<b>25,500</b>	<b>60,943</b>	<b>135,525</b>	<b>395,173</b>	<b>1,524</b>	<b>17,646</b>	<b>689,553</b>	<b>40,358</b>

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, 1950 — 60  
( THOUSAND NET TONS )

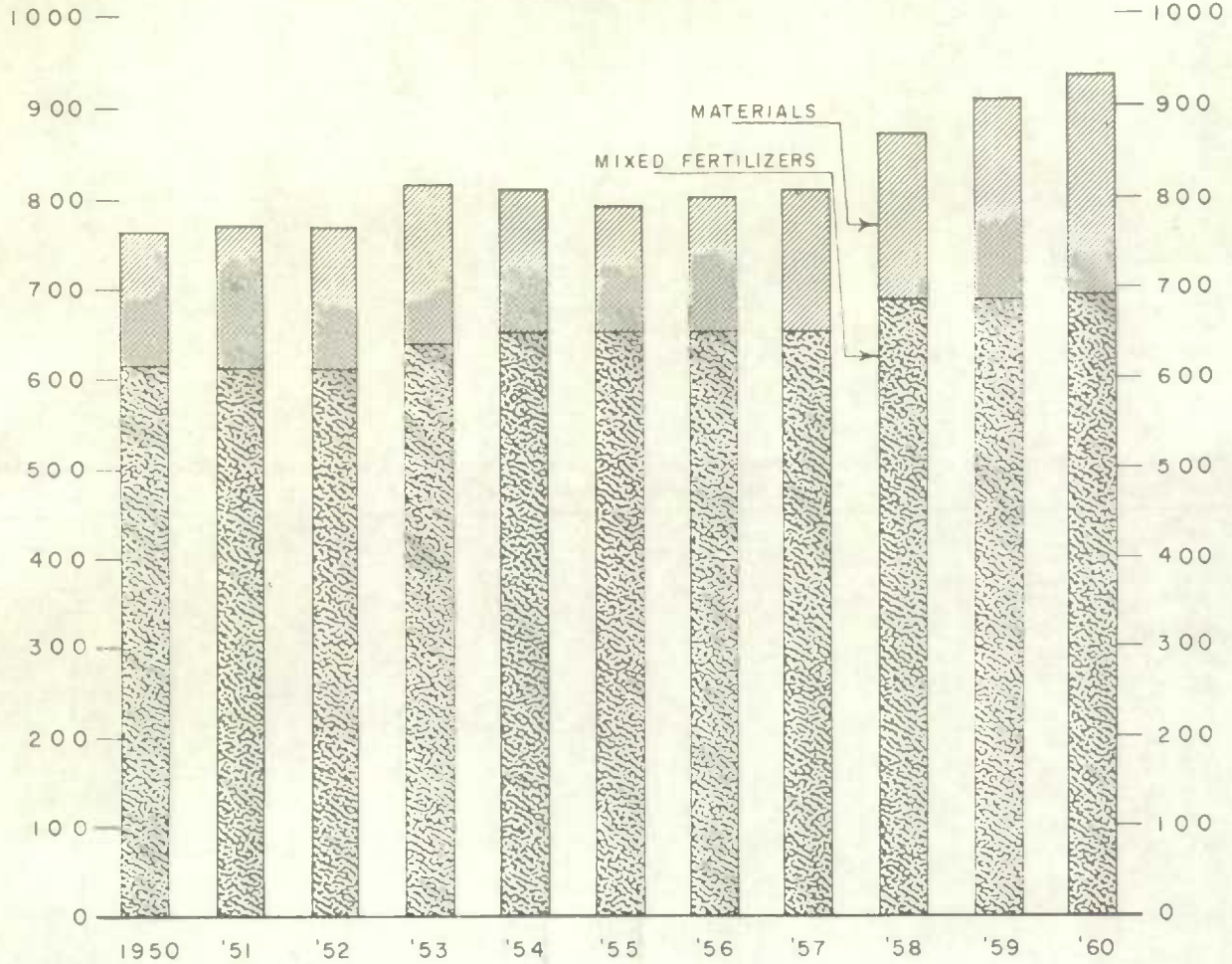


TABLE 7. Tobacco Specials Sold during Year Ended June 30, 1960

Analysis	Quebec	Ontario	Other provinces	Canada	
				short tons	
N P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O					
0 12 20	18	1,377	—	1,395	
2 12 10	130	1,080	—	1,210	
2 12 12	2,361	27,314	—	29,675	
2 12 14	294	17,168	—	17,462	
2 12 16	634	13,118	—	13,752	
2 14 14	—	1,615	—	1,615	
2 15 15	—	169	—	169	
2 18 18	4	8,918	7	8,929	
3 18 15	—	50	—	50	
3 18 18	—	601	—	601	
5 8 11	3,124	4	—	3,128	
5 10 15	—	436	—	436	
8 12 12	—	558	—	558	
12 12 12	—	727	—	727	
Other	—	315	10	325	
<b>Totals</b>	<b>6,565</b>	<b>73,450</b>	<b>17</b>	<b>80,032</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, 1960

Analysis	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Canada	Exported
short tons										
N P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O										
2 10 20 .....	—	—	—	—	184	37	—	—	221	—
2 12 10 .....	—	—	—	—	103	140	—	—	243	—
2 16 6 .....	—	—	14	—	400	5	—	—	419	—
3 15 6 .....	552	1,458	844	1,088	25	—	—	—	3,967	6
4 24 20 .....	—	—	—	—	183	115	—	—	298	—
5 10 10 .....	—	—	—	7	122	—	—	—	129	—
5 10 13 .....	—	—	—	7	403	5	—	—	415	—
6 12 12 .....	—	1	18	373	31	29	—	—	452	—
9 5 10 .....	—	—	139	—	—	—	—	—	139	—
9 9 7 .....	—	1	867	37	—	—	—	—	905	—
Other .....	59	—	164	165	276	605	—	166	1,435	3
<b>Totals .....</b>	<b>611</b>	<b>1,460</b>	<b>2,046</b>	<b>1,677</b>	<b>1,727</b>	<b>936</b>	<b>—</b>	<b>166</b>	<b>8,623</b>	<b>9</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, 1960

Analysis	New-found-land	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba Saskatchewan and Alberta	British Columbia	Canada	Exported
short tons										
N P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O										
5 10 10 .....	1	88	3	4,404	71	—	—	—	4,567	—
5 10 13 .....	279	7,458	86	2,585	164	7	—	—	10,579	—
6 9 9 .....	—	—	5	620	—	—	—	—	625	263
6 9 12 .....	—	427	—	—	—	—	—	—	427	1,645
6 12 8 .....	20	293	323	8,457	—	—	—	—	9,093	—
6 12 12 .....	197	10,447	1,171	11,944	404	10	—	—	24,173	—
8 9 10 .....	—	100	—	403	—	—	—	—	503	2,219
8 12 12 .....	—	—	—	541	—	—	—	—	541	10,231
8 12 16 .....	—	—	—	—	73	—	—	—	73	534
8 16 8 .....	—	—	—	746	—	—	—	—	746	—
8 16 16 .....	—	—	143	—	897	1,237	—	—	2,277	48
9 5 10 .....	—	—	139	—	—	—	—	—	139	—
10 10 10 .....	—	10	—	281	5	—	—	—	296	4,987
10 15 15 .....	—	—	—	30	—	—	—	—	30	1,131
12 12 12 .....	—	—	—	—	—	—	—	—	—	896
Other .....	—	4	350	529	105	22	—	34	1,044	7
<b>Totals .....</b>	<b>497</b>	<b>18,827</b>	<b>2,220</b>	<b>30,540</b>	<b>1,719</b>	<b>1,276</b>	<b>—</b>	<b>34</b>	<b>55,113</b>	<b>22,243</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, 1960

County	Materials	Mixed fertilizers	Total
short tons			
Kings .....	31	5,437	5,468
Prince .....	129	26,909	27,038
Queens .....	220	21,203	21,423
<b>Totals .....</b>	<b>380</b>	<b>53,549</b>	<b>53,929</b>



TABLE 11. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Nova Scotia during the Year Ended June 30, 1960

County	Materials	Mixed fertilizers	Total
Annapolis .....	41	1,129	1,170
Antigonish .....	50	1,029	1,079
Cape Breton .....	32	668	700
Colchester .....	189	2,542	2,731
Cumberland .....	108	1,849	1,957
Digby .....	21	936	957
Guysborough .....	-	50	50
Halifax .....	161	949	1,110
Hants .....	163	2,057	2,220
Inverness .....	20	725	745
Kings .....	1,216	9,108	10,324
Lunenburg .....	62	1,512	1,574
Pictou .....	30	1,414	1,444
Richmond .....	5	90	95
Queens .....	4	113	117
Shelburne .....	-	73	73
Victoria .....	1	42	43
Yarmouth .....	17	431	448
<b>Totals</b> .....	<b>2,120</b>	<b>24,717</b>	<b>26,837</b>

TABLE 12. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in New Brunswick during the Year Ended June 30, 1960

County	Materials	Mixed fertilizers	Total
Albert .....	6	190	196
Carleton .....	29	19,813	19,842
Charlotte .....	10	598	608
Gloucester .....	88	1,754	1,842
Kent .....	19	1,712	1,731
King's .....	38	2,459	2,497
Madawaska .....	18	2,791	2,809
Northumberland .....	10	1,028	1,038
Queen's .....	16	414	430
Restigouche .....	33	1,599	1,632
Saint John .....	168	776	944
Sunbury .....	2	409	411
Victoria .....	114	25,933	26,047
Westmorland .....	101	3,653	3,754
York .....	76	4,001	4,077
<b>Totals</b> .....	<b>728</b>	<b>67,130</b>	<b>67,858</b>

TABLE 13. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Quebec during the Year Ended June 30, 1960

County	Materials	Mixed fertilizers	Total
		short tons	
Abitibi .....	295	590	885
Argenteuil .....	82	453	535
Arthabaska .....	485	7,543	8,028
Bagot .....	391	3,911	4,302
Beauce .....	227	4,200	4,427
Beauharnois .....	117	1,009	1,126
Bellechasse .....	487	3,395	3,882
Berthier .....	69	1,867	1,936
Bonaventure .....	153	1,462	1,615
Brome .....	35	641	676
Chambly .....	372	472	844
Champlain .....	203	1,599	1,802
Charlevoix .....	71	773	844
Chateauguay .....	431	2,501	2,932
Chicoutimi .....	145	2,289	2,434
Compton .....	102	2,576	2,678
Deux Montagnes (Two Mountains) .....	222	1,643	1,865
Dorchester .....	338	3,555	3,893
Drummond .....	303	3,625	3,928
Frontenac .....	45	1,995	2,040
Gaspé .....	66	573	639
Gatineau .....	20	350	370
Hull .....	24	108	132
Huntingdon .....	113	2,207	2,320
Iberville .....	155	2,299	2,454
Iles de la Madeleine .....	10	225	235
Jésus Island .....	219	4,865	5,084
Joliette .....	281	4,772	5,053
Kamouraska .....	456	2,688	3,144
Labelle .....	27	734	761
Lac St. Jean (Lake St. John) .....	152	1,484	1,636
La Prairie .....	175	1,995	2,170
L'Assomption .....	104	2,836	2,940
Levis .....	207	1,847	2,054
L'Islet .....	266	1,425	1,691
Lotbinière .....	724	3,648	4,372
Maskinongé .....	12	134	146
Matane .....	255	2,327	2,582
Matapédia .....	112	1,343	1,455
Megantic .....	301	3,656	3,957
Missisquoi .....	271	3,084	3,355
Montcalm .....	157	3,409	3,566
Montmagny .....	235	887	1,122
Montmorency .....	102	2,578	2,680
Montreal Island .....	495	1,796	2,291
Napierville .....	150	8,197	8,347
Nicolet .....	760	4,641	5,401
Papineau .....	49	1,526	1,575
Pontiac .....	21	137	158
Portneuf .....	254	2,917	3,171
Québec .....	318	1,833	2,151
Richelieu .....	191	1,320	1,511
Richmond .....	123	1,855	1,978
Rimouski .....	389	2,599	2,988
Rivière du Loup .....	398	7,853	8,251
Rouville .....	475	4,028	4,503
Saguenay .....	14	224	238
Shefford .....	242	3,200	3,442
Sherbrooke .....	107	1,937	2,044
Soulanges .....	66	572	638
Stanstead .....	122	2,215	2,337
St. Hyacinthe .....	421	4,664	5,085
St. Johns .....	97	1,280	1,377
St. Maurice .....	152	1,158	1,310
Temiscamingue .....	62	508	570
Témiscouata .....	90	1,013	1,103
Terrebonne .....	104	1,243	1,347
Vaudreuil .....	41	344	385
Verchères .....	587	1,799	2,386
Wolfe .....	193	1,673	1,866
Yamaska .....	204	2,519	2,723
<b>Totals, Quebec</b> .....	<b>15,142</b>	<b>158,624</b>	<b>173,766</b>



TABLE 14. County Distribution of Fertilizer Materials and Mixed Fertilizers Sold in Ontario during the Year Ended June 30, 1960

County	Materials	Mixed fertilizers	Total
Algoma	124	601	725
Brant	993	8,189	9,182
Bruce	3,723	9,213	12,936
Carleton	707	2,629	3,336
Cochrane	254	690	944
Dufferin	1,044	4,809	5,853
Dundas	261	1,039	1,300
Durham	636	5,760	6,396
Elgin	3,690	23,588	27,278
Essex	7,680	25,460	33,140
Frontenac	213	451	664
Glengarry	157	933	1,090
Grenville	209	1,424	1,633
Grey	1,967	6,965	8,932
Haidimand	778	3,436	4,214
Haliburton	1	28	29
Halton	343	2,827	3,170
Hastings	260	2,217	2,477
Huron	2,005	19,047	21,052
Kenora	1	22	23
Kent	12,063	44,871	56,934
Lambton	3,477	11,986	15,463
Lanark	235	1,166	1,401
Leeds	295	1,196	1,491
Lennox-Addington	100	637	737
Lincoln	1,685	4,918	6,603
Manitoulin	104	393	497
Middlesex	3,307	21,523	24,830
Muskoka	41	283	324
Nipissing	117	778	895
Norfolk	4,376	39,097	43,473
Northumberland	498	3,122	3,620
Ontario	621	5,183	5,804
Oxford	2,849	22,074	24,923
Parry Sound	51	476	527
Peel	482	3,334	3,816
Perth	1,168	12,601	13,769
Peterboro	167	1,225	1,392
Prescott	360	2,188	2,548
Prince Edward	218	1,288	1,506
Rainy River	13	39	52
Renfrew	495	830	1,325
Russell	254	1,822	2,076
Simcoe	1,338	13,455	14,793
Stormont	126	531	657
Sudbury	166	1,603	1,769
Temiskaming	205	755	960
Thunder Bay	78	623	701
Victoria	128	1,618	1,746
Waterloo	982	8,066	9,048
Welland	603	2,841	3,444
Wellington	2,859	10,359	13,218
Wentworth	1,306	6,446	7,752
York	2,772	16,663	19,435
No distribution	5,213	—	5,213
<b>Totals, Ontario</b>	<b>73,798</b>	<b>363,318</b>	<b>437,116</b>

TABLE 15. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold during the Years Ended  
June 30, 1959 and 1960

Province	1959			1960				
	Total tonnage sold	Contained			Total tonnage sold	Contained		
		Nitrogen (N)	Phosphoric acid (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)		Nitrogen (N)	Phosphoric acid (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
	short tons							
(a) In materials								
Newfoundland .....	513	94	6	2	340	60	10	1
Prince Edward Island .....	406	95	19	6	380	80	21	7
Nova Scotia .....	2,290	357	191	55	2,120	343	205	56
New Brunswick .....	676	106	50	12	728	89	50	79
Quebec .....	14,899	472	2,628	230	15,142	492	2,830	326
Ontario .....	72,444	11,621	7,096	3,680	73,798	11,966	7,802	3,402
Manitoba .....	20,204	3,005	7,206	4	21,607	3,259	7,540	2
Saskatchewan .....	27,473	3,673	11,207	—	34,766	4,671	13,982	2
Alberta .....	64,710	10,873	19,591	4	79,122	13,561	22,965	18
British Columbia .....	15,046	2,425	2,108	450	15,717	2,634	2,128	494
<b>Totals, Canada .....</b>	<b>218,661</b>	<b>32,721</b>	<b>50,102</b>	<b>4,443</b>	<b>243,720</b>	<b>37,155</b>	<b>57,533</b>	<b>4,387</b>
Exported from Canada .....	842,792	194,133	81,815	16	918,626	211,688	90,868	15
<b>Grand totals .....</b>	<b>1,061,453</b>	<b>226,854</b>	<b>131,917</b>	<b>4,459</b>	<b>1,162,346</b>	<b>248,843</b>	<b>148,401</b>	<b>4,402</b>
(b) In mixtures								
Newfoundland .....	5,017	251	580	484	4,684	241	545	522
Prince Edward Island .....	48,225	2,535	5,451	5,745	53,549	2,895	6,167	6,360
Nova Scotia .....	25,500	1,229	3,312	2,532	24,717	1,234	3,237	2,606
New Brunswick .....	60,943	3,306	6,938	6,146	67,130	3,736	7,880	6,837
Quebec .....	135,525	5,093	17,232	15,697	158,624	6,080	21,375	19,332
Ontario .....	395,173	15,611	58,397	51,188	363,334	14,964	53,564	47,359
Manitoba .....	890	75	200	70	857	93	155	70
Saskatchewan .....	159	11	23	9	135	15	18	10
Alberta .....	475	47	130	48	756	78	193	74
British Columbia .....	17,646	1,243	2,511	1,712	17,922	1,330	2,576	1,718
<b>Totals, Canada .....</b>	<b>689,553</b>	<b>29,401</b>	<b>94,774</b>	<b>83,631</b>	<b>691,708</b>	<b>30,666</b>	<b>95,710</b>	<b>84,888</b>
Exported from Canada .....	40,358	3,312	6,142	4,921	50,365	4,779	7,450	5,921
<b>Grand totals .....</b>	<b>729,911</b>	<b>32,713</b>	<b>100,916</b>	<b>88,552</b>	<b>742,073</b>	<b>35,445</b>	<b>103,160</b>	<b>90,809</b>
(c) Total								
Newfoundland .....	5,530	345	586	486	5,024	301	555	523
Prince Edward Island .....	48,631	2,630	5,470	5,751	53,929	2,975	6,188	6,367
Nova Scotia .....	27,790	1,586	3,503	2,587	26,837	1,577	3,442	2,662
New Brunswick .....	61,619	3,412	6,988	6,158	67,858	3,825	7,930	6,916
Quebec .....	150,424	5,565	19,860	15,927	173,766	6,572	24,205	19,658
Ontario .....	467,617	27,232	65,493	54,868	437,132	26,930	61,366	50,761
Manitoba .....	21,094	3,080	7,406	74	22,464	3,352	7,695	72
Saskatchewan .....	27,632	3,684	11,230	9	34,901	4,686	14,000	12
Alberta .....	65,185	10,920	19,721	52	79,878	13,639	23,158	92
British Columbia .....	32,692	3,668	4,619	2,162	33,639	3,964	4,704	2,212
<b>Totals, Canada .....</b>	<b>908,214</b>	<b>62,122</b>	<b>144,876</b>	<b>88,074</b>	<b>935,428</b>	<b>67,821</b>	<b>153,243</b>	<b>89,275</b>
Exported from Canada .....	883,150	197,445	87,957	4,937	968,991	216,467	98,318	5,936
<b>Grand totals .....</b>	<b>1,791,364</b>	<b>259,567</b>	<b>232,833</b>	<b>93,011</b>	<b>1,904,419</b>	<b>284,288</b>	<b>251,561</b>	<b>95,211</b>



TABLE 16. Fertilizers Sold for Consumption in Canada during the Years Ended June 30, 1930 - 60

Year	Materials		Mixtures		Total short tons
	Quantity	Percentage of total	Quantity	Percentage of total	
	short tons		short tons		
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
1958	181,973	20.9	688,566	79.1	870,539
1959	218,661	24.0	689,553	76.0	908,214
1960	243,720	26.1	691,706	73.9	935,428

TABLE 17. Nitrogen, Phosphoric Acid and Potash Contained in Fertilizers Sold in Canada during the Years Ended June 30, 1942 - 60

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								
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
1958	26,947	39,945	4,282	28,393	87,225	80,393	55,340	127,170	84,675
1959	32,721	50,102	4,443	29,401	94,774	83,631	62,122	144,876	88,074
1960	37,155	57,533	4,387	30,666	95,710	84,888	67,821	153,243	89,275

TABLE 18. Lime and Limestone Produced in Canada for Agricultural Purposes, 1942 - 59

Year	Lime	Limestone (including marl)	Year	Lime	Limestone (including marl)
short tons			short tons		
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	476,506
1948	12,249	595,421	1957	3,181	608,912
1949	15,274	649,220	1958	3,538	611,067
1950	14,088	568,280	1959	8,515	..

.. Figures not available.

## List of Reporting Companies, 1960

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.
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 Organics 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.
Cyanamid of Canada Limited	Niagara Falls, Ontario
Dominion Fertilizers Company Limited	Port Maitland, Ontario
Dominion Potash Ltd.	Westmount, Quebec
Dominion Steel and Coal Corporation Limited	Sydney, Nova Scotia
Dow Chemical of Canada Ltd.	Sarnia, Ontario
Elmira Fertilizers	Elmira, Ontario
Globe Fertilizer Company Ltd.	Crompton Rd., Vancouver, British Columbia
Green Valley Fertilizer—Chemical Co. Ltd.	North Surrey, British Columbia
Harris, W., and Co.	Toronto, Ontario
Harriston Fertilizers Ltd.	Harriston, Ontario
Houde, W., Ltd.	Laprairie, Quebec
Hy-Trous Company of Canada (1959) Limited	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 Limited	Galt, Ontario
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
Northwest Nitro Chemicals	Medicine Hat, Alberta
Ontario Plant Foods Ltd.	P.O. Box 748, Delhi, Ontario
Quebec Natural Gas Corporation	Montreal, Quebec
Rainbow Chemicals	Tilbury, Ontario
Sherritt-Gordon Mines Ltd.	Fort Saskatchewan, Alberta
Steel Company of Canada Ltd.	Hamilton, 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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