



Table 1 - PRINCIPAL STATISTICS OF THE FERTILIZERS INDUSTRY IN CANADA, 1931 and 1932.

Years and Provinces	No. of plants	Capital employed	Average		Cost of materials at works	Selling value of products at works	Value added by manufacturing
			number of employees	Salaries and wages			
		\$		\$	\$	\$	\$
<u>1931</u>							
Nova Scotia .....	3	1,050,654	88	80,256	596,671	761,890	165,219
New Brunswick .....	4	487,245	56	62,460	556,176	762,633	206,457
Ontario .....	6	2,378,509	138	158,312	786,117	1,273,931	487,814
Prince Edward Island ..	1)						
Quebec .....	2)	11,698,711	354	547,228	1,114,052	1,453,386	339,334
British Columbia ..	2)						
CANADA .....	18	15,615,119	636	848,256	3,053,016	4,251,840	1,198,824
<u>1932</u>							
New Brunswick .....	5	682,333	96	86,902	489,252	699,008	209,756
Ontario .....	7	2,283,001	163	181,755	538,228	948,218	409,990
Prince Edward Island ..	1)						
Nova Scotia .....	2)						
Quebec .....	2)	14,118,144	489	829,155	1,588,853	2,358,961	770,108
British Columbia ..	2)						
CANADA .....	19	17,083,478	748	1,097,812	2,616,333	4,006,187	1,389,854

Table 2 - CAPITAL EMPLOYED, BY PROVINCES, 1931 and 1932.

Provinces	Present value of lands, buildings, machinery and equipment	Inventory value of materials on hand, stocks in process, fuel and miscellaneous supplies on hand		Inventory value of finished products on hand	Operating capital (cash, bills and accounts receivable, etc.)	TOTAL CAPITAL EMPLOYED
		\$	\$			
<u>1931</u>						
Nova Scotia ...	283,188	120,052	25,350	622,064	1,050,654	
New Brunswick .	270,193	55,231	13,169	148,652	487,245	
Ontario .....	832,802	688,598	92,300	764,809	2,378,509	
Other provinces	9,433,744	1,162,068	837,281	265,618	11,698,711	
CANADA .....	10,819,927	2,025,949	968,100	1,801,143	15,615,119	
<u>1932</u>						
New Brunswick ..	298,827	49,442	165,764	168,300	682,333	
Ontario .....	882,850	703,071	61,832	635,248	2,283,001	
Other provinces.	10,455,701	1,616,744	1,043,626	1,002,073	14,118,144	
CANADA .....	11,637,378	2,369,257	1,271,222	1,805,621	17,083,478	

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1931 and 1932.

Provinces	Average number of employees				Salaries and Wages			
	On salaries		On wages		TOTAL	Salaries	Wages	TOTAL
	Male	Female	Male	Female				
					\$	\$	\$	
<u>1931</u>								
Nova Scotia ....	13	4	71	...	88	24,371	55,885	80,256
New Brunswick ..	10	..	46	...	56	19,503	42,957	62,460
Ontario .....	27	13	98	...	138	72,116	86,196	158,312
Other provinces.	80	10	263	1	354	202,978	344,250	547,228
CANADA .....	130	27	478	1	636	318,968	529,288	848,256

Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1931 and 1932. concluded.

Provinces	Average number of employees				Salaries and Wages			
	On salaries		On wages		TOTAL	Salaries	Wages	TOTAL
	Male	Female	Male	Female				
					\$	\$	\$	
<b>1932</b>								
New Brunswick ..	21	2	73	...	96	35,115	51,787	86,902
Ontario .....	46	10	107	...	163	92,749	89,006	181,755
Other provinces.	97	11	381	...	489	188,279	640,876	829,155
CANADA .....	164	23	561	...	748	316,143	781,669	1,097,812

Table 4 - WAGE-EARNERS, BY MONTHS, 1931 and 1932.

Months	1931			1932		
	Male	Female	TOTAL	Male	Female	TOTAL
January .....	306	1	307	715	...	715
February .....	405	1	406	668	...	668
March .....	534	1	535	659	...	659
April .....	768	1	769	766	...	766
May .....	663	1	664	853	...	853
June .....	348	1	349	417	...	417
July .....	307	1	308	307	...	307
August .....	368	1	369	496	...	496
September .....	400	...	400	501	...	501
October .....	468	...	468	513	...	513
November .....	588	1	589	481	...	481
December .....	575	1	576	363	...	363
AVERAGE .....	478	1	479	561	...	561

Table 5 - FUEL AND ELECTRICITY USED, 1931 and 1932.

Kinds	Unit of measure	1931		1932	
		Quantity	Value	Quantity	Value
			\$		\$
Anthracite coal .....	short ton	30	460	28	400
Bituminous coal - Canadian ..	short ton	1,332	7,983	1,827	10,287
Imported .	short ton	374	1,729	33	160
Coke .....	short ton	2	22	19	155
Gasoline .....	Imp. gal.	852	211	640	159
Electricity purchased -					
Metered .....	K.W.H.	13,001,338	34,567	1,018,909	19,849
TOTAL .....	-	...	44,972	...	31,010

Table 6 - POWER EQUIPMENT, 1931 and 1932.

Kinds	1931		1932	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and steam turbines .....	1	30	...	...
Gasoline, gas and oil engines .....	4	57	3	52
Total Primary Equipment .....	5	87	3	52
Electric motors operated by purchased power	452	14,348	453	15,579
Total Power Equipment .....	457	14,435	456	15,631
Total Electric Motors .....	452	14,348	453	15,579
Boilers .....	2	200	2	30

Table 7 - MATERIALS USED, 1931 and 1932.

Materials	1 9 3 1		1 9 3 2	
	Quantity	Cost at	Quantity	Cost at
	short tons	works \$	short tons	works \$
Ammonium phosphate .....	32	2,258	335	18,458
Ammonium sulphate .....	19,619	568,718	13,633	339,074
Basic slag .....	1,373	13,344	3	41
Bone meal (crude) .....	358	12,735	276	10,177
Bone flour (steamed) .....	1	20	12	345
Calcium cyanamide .....	1,363	49,297	1,279	34,886
Dried blood .....	203	4,291	37	2,409
Fish meal or scrap .....	177	7,814	285	7,822
Lime or land plaster .....	1,377	10,586	620	3,526
Kainit and potash manure salts .....	4,202	71,386	4,152	74,711
Phosphate rock .....	48,373	395,547	41,114	316,518
Potassium chloride (muriate of potash) .....	11,750	431,572	7,876	287,443
Potassium sulphate (sulphate of potash) .....	2,189	85,480	1,366	54,821
Sodium nitrate .....	2,624	104,398	1,431	56,910
Superphosphate .....	51,639	595,789	36,005	366,462
Sulphuric acid, 50° Bé. ....	41,706	201,712	100,427	213,451
Tankage .....	2,374	51,521	1,688	24,272
All other materials .....	...	312,495	...	537,325
Containers (barrels, bags, etc.) .....	...	134,053	...	267,682
<b>TOTAL .....</b>	<b>...</b>	<b>3,053,016</b>	<b>....</b>	<b>2,616,333</b>

Table 8 - PRODUCTS OF THE FERTILIZERS INDUSTRY IN CANADA, 1931 and 1932.

Note:- Figures in this table are for the Fertilizers Industry which includes only the concerns that are chiefly engaged in the manufacture of fertilizers (see Directory). For the total output of mixed fertilizers in Canada, see Table 9.

Products Made	Unit of measure	1 9 3 1		1 9 3 2	
		Quantity	Selling value	Quantity	Selling value
			at works \$		at works \$
Complete fertilizer .....	ton	107,852	3,059,095	90,867	2,285,314
All other products (x) .....	-	...	1,192,745	...	1,720,873
<b>TOTAL .....</b>	<b>-</b>	<b>...</b>	<b>4,251,840</b>	<b>...</b>	<b>4,006,187</b>

(x) Includes superphosphate, ammonium sulphate, ammonium phosphate, etc.

Table 9 - TOTAL PRODUCTION OF MIXED FERTILIZERS IN CANADA FROM ALL INDUSTRIAL GROUPS, 1921 - 1932.

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

Calendar Years	Selling value		Calendar years	Selling value	
	Quantity Tons	at works \$		Quantity Tons	at works \$
1921 .....	46,900	2,399,855	1927 .....	72,112	2,552,421
1922 .....	40,843	1,818,136	1928 .....	76,180	3,017,648
1923 .....	37,587	1,366,343	1929 .....	75,164	3,098,567
1924 .....	38,126	1,539,003	1930 .....	78,158	2,548,226
1925 .....	47,076	1,663,129	1931 .....	113,632	3,247,694
1926 .....	56,888	2,043,093	1932 .....	95,857	2,447,407

Table 10 -- IMPORTS INTO CANADA AND EXPORTS OF FERTILIZERS AND FERTILIZER MATERIALS, Calendar Years 1931 and 1932.

	Unit of measure	1931		1932	
		Quantity	Value \$	Quantity	Value \$
<b>IMPORTS -</b>					
Tankage .....	ton	1,933	26,530	1,533	21,621
Bone dust, charred bone, bone ash, bone meal, and bone flour .....	ton	2,898	152,586	2,284	133,841
Fish offal or refuse .....	ton	238	8,597	516	11,941
Ammonium sulphate .....	ton	12,830	369,254	13,811	280,026
Basic slag, crushed or ground .....	ton	12,941	114,549	7,665	72,119
Cyanamide .....	ton	60	2,162	25	975
Kainite, and other German potash salts..	ton	2,266	47,603	4,352	69,035
Potash, muriate of, crude .....	ton	28,862	974,602	14,662	477,397
Potash, sulphate of, crude .....	ton	3,993	159,777	1,345	57,132
Soda, nitrate of .....	ton	15,250	631,926	18,534	565,096
Superphosphate .....	ton	98,049	936,357	60,699	532,799
Fertilizers, compounded or manufactured, n.o.p. ....	ton	17,257	476,786	2,503	62,809
<b>EXPORTS-</b>					
Tankage .....	ton	9,583	205,111	10,635	166,480
Bone dust and meal .....	ton	2	73	43	735
Fish meal .....	ton	15,863	661,468	16,657	520,199
Fish offal or refuse .....	ton	584	19,741	787	26,420
Ammonium sulphate .....	ton	5,627	167,477	38,741	701,707
Cyanamide .....	ton	53,363	1,507,879	64,118	1,652,910
Fertilizers, manufactured .....	ton	15,339	610,755	21,118	604,353

Table 11 -- COMPARATIVE TABLE SHOWING TOTAL SALES OF FERTILIZER MATERIALS AND MIXED FERTILIZERS FOR THE FERTILIZER YEARS ENDING JUNE 30, 1931 and 1932. (Short tons)

Provinces	Fertilizer Materials		Mixed Fertilizers	
	1931 Tons	1932 Tons	1931 Tons	1932 Tons
Prince Edward Island .....	28,494	12,866	7,823	3,127
Nova Scotia .....	22,235	15,151	17,542	11,605
New Brunswick .....	18,134	14,336	24,811	14,344
Quebec .....	37,057	24,463	20,686	14,295
Ontario .....	24,189	14,067	70,009	37,835
Manitoba, Saskatchewan and				
Alberta .....	1,737	5,616	39	233
British Columbia .....	5,967	6,365	5,494	5,680
CANADA .....	137,813	92,864	146,404	87,119
Sold for Export .....	70,889	64,992	7,742	20,467
<b>GRAND TOTAL</b> .....	<b>208,702</b>	<b>157,856</b>	<b>154,146</b>	<b>107,586</b>

Table 12 - PRODUCTION IN CANADA, IMPORTS AND EXPORTS OF FERTILIZERS, AS REPORTED BY  
THE MANUFACTURERS AND IMPORTERS DURING THE YEAR JULY 1, 1931 to JUNE 30, 1932.  
(Short tons)

Items	Manu- factured	Imported	Exported
Mixed fertilizers .....	108,123	2,471	20,467
Sulphate of ammonia .....	42,660	12,526	28,175
Cyanamide .....	39,209	400	34,750
Calcium nitrate .....	...	350	...
Nitrate of soda .....	...	4,150	14
Superphosphate(x) .....	51,432	60,938	701
Basic slag .....	...	10,557	3
Nitrochalk .....	...	268	1
Phosphate rock .....	...	108,791	...
Bone meal and bone flour .....	678	129	...
Muriate of potash .....	...	18,958	264
Sulphate of potash .....	...	2,586	...
Potash manure salts and kainit .....	...	9,424	...
Tankage .....	1,257	1,579	312
Sheep manure .....	...	403	...
Dried blood .....	781	...	311
Fish meal .....	290	184	25
Ammonium phosphate .....	12,203	1,479	436
Other materials .....	...	792	...
TOTAL .....	256,633	235,985	85,459

(x) Includes 16%, 19%, 20% and 45% superphosphate.

Table 13 - SALES OF FERTILIZERS, EXCEPT FOR MANUFACTURING PURPOSES, DURING THE YEAR  
JULY 1, 1931, to JUNE 30, 1932.  
(Short tons)

Fertilizers	Sold in Canada	Sold for export from Canada	TOTAL SALES
Nitrate of soda .....	3,815	14	3,829
Sulphate of ammonia .....	10,747	28,175	38,922
Cyanamide .....	1,066	34,750	35,816
Nitrochalk .....	170	1	171
Calcium nitrate .....	446	...	446
Superphosphate .....	48,197	701	48,898
Phosphate rock .....	81	...	81
Basic slag .....	11,611	3	11,614
Bone meal and bone flour .....	1,286	...	1,286
Muriate of potash .....	7,552	264	7,816
Sulphate of potash .....	430	...	430
Tankage .....	1,487	312	1,799
Sheep manure .....	361	...	361
Dried blood .....	495	311	806
Whale products .....	173	...	173
Fish meal .....	996	25	1,021
Ammonium phosphate .....	3,534	436	3,970
Other fertilizer materials .....	417	...	417
TOTAL FERTILIZER .....	92,864	64,992	157,856
Total Mixed Fertilizer .....	87,119	20,467	107,586
GRAND TOTAL - 1932 .....	179,983	85,459	265,442
GRAND TOTAL - 1931 .....	284,217	78,631	362,848

DIRECTORY OF FIRMS INCLUDED IN THE FERTILIZERS INDUSTRY, 1932.

NOTE - This Directory gives only the names of the firms which have been included in the Fertilizers Industry, and is not intended to be a complete list of the concerns which manufacture mixed fertilizers or fertilizer materials.

<u>Name</u>	<u>Address</u>
<u>PRINCE EDWARD ISLAND</u> --	
The Island Fertilizer Co. Ltd.	Charlottetown
<u>NOVA SCOTIA</u> --	
Colonial Fertilizer Company	Windsor
Canadian Industries Limited	Halifax
<u>NEW BRUNSWICK</u> --	
Higgins Co. Inc., A.W.	Saint John
International Fertilizers Ltd.	Saint John
Ontario Fertilizers Limited	Saint John
Saint John Fertilizer Company	Saint John
Summers Fertilizer Co. Inc.	St. Stephen
<u>QUEBEC</u> --	
Canadian Industries Limited	Beloeil
Lavigueur, Arthur	Montreal
<u>ONTARIO</u> --	
Agricultural Chemicals Limited	Port Hope
Canadian Fertilizer Company Ltd.	Chatham
Canadian Industries Limited	Hamilton
Ontario Fertilizers Limited	West Toronto
Scottish Fertilizers Limited	Welland
William Stone Sons, Limited	Ingersoll
Witts Fertilizer Works	Norwich Junction
<u>BRITISH COLUMBIA</u> --	
Canadian Industries Limited	New Westminster
Consolidated Mining and Smelting Co. of Canada, Ltd.	Trail

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