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DCMINION BUREAU OF STATISTICS - CANADA Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.

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46-206

## THE FERTILIZER INDUSTRY IN CANADA, 1931.

Production from plants in Canada engaged primarily in the manufacture of fertilizers amounted in value to 44,251,840 in 1931, according to a report just issued by the Dominion Bureau of Statistics at Ottawa. In addition, fertilizer materials such as calcium cyanamide, ammonium sulphate, animal tankage, ground bone and fish fertilizers were made in factories classified under other industries; in 1931 the production value of these commodities totalled 1,732,611 as compared with a corresponding figure of 7,561,917 in 1930.

Only 18 plants in Canada produced fertilizers as their major product during 1931; 6 were in Ontario, 4 in New Brunswick, 3 in Nova Scotia, 2 in British Columbia, 2 in Quebec, and 1 in Prince Edward Island. This was an increase of 4 factories over 1930. Three new mixing plants in New Brunswick, 1 in Prince Edward Island and 1 in Neva Scotia were added in 1931, and the new fertilizer works at Trail, B.C., commenced to make superphosphate, ammonium sulphate and ammonium phosphate on a commercial scale. Two mixing plants in British Columbia did not operate during 1931.

Capital employed in these plants amounted to (15,615,119 and the average number of workers was 636. Payments for salaries and wages totalled (848,256 and materials used in manufacturing cost (3,053,016.

The total production of mixed fertilizers in Canada was 113,632 tons, including the amounts made in fertilizer plants and by slaughtering and meatpacking concerns and by glue manufacturers. This output was 45 per cent above the 1930 figure of 78,158 tons.

Superphosphate was manufactured by two companies but in four different plants, one at New Westminster, B.C., one at Trail, B.C., one at Hamilton, Ont., and one at Beloeil, P.G. Production figures cannot be published separately.

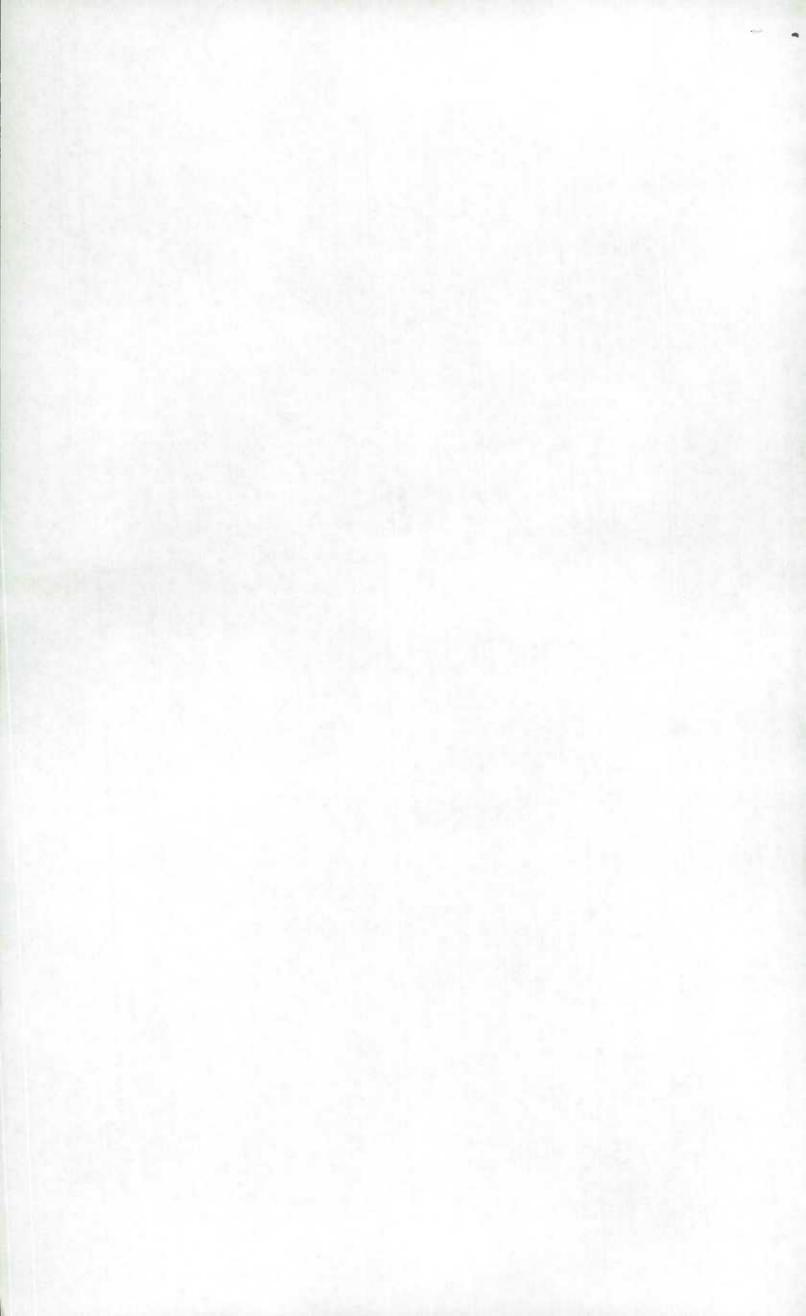
Imports and exports of fertilizer materials are shown in Table 11.

The Bureau has made a special survey of the Fertilizer Trade in Canada for the year ended June 30, 1931. This bulletin gives details of actual sales in Canada by classes and by provinces, and may be obtained free upon request to the Dominion Bureau of Statistics, Ottawa.

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	No.of plants	Capital employed	Average number of em- ployees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manu- facturing
		•rr		Ť	Ç.	Ser.	the second secon
1930							
Ontario	6	1,936,248	128	139,270	939,827	1,580,159	640,332
British Columbia	. 3	331,167	41	51,161	158,880	249,379	90,499
CANADA(x)	. 14	4,139,498	261	262,928	1,647,478	2,504,573	857,095
1931							~
Nova Scotia	. 3	1,050,654	88	80,256	596,671	761,890	165,219
New Brunswick		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
CANADA (x)		15,615,119	636	848,256	3,053,016	4,251,840	1,198,824

(x) Includes also data for 2 plants in Nova Scotia, 2 in Quebec, and 1 in New Brunswick in 1930; and for 1 in Prince Edward Island, 2 in Quebec and 2 in British Columbia in 1931.



Provinces	Value of lands, buildings, machinery and equipment	Inventory value of materials on hand, stocks in process, fuel and other supplies, and fin- ished products on hand	Operating capital (cash, bills and accounts receiv- able, etc.)	TOTAL CAPITAL EMPLOYED
1930	€t.	4	÷	\$
Ontario	583,656	347,352	1,005,240	1,936,248
British Columbia .	109,951	131,195	90,021	331,167
CANADA (x)	1,409,160	1,089,942	1,640,396	4,139,498
1931				
Nova Scotia	283,188	145,402	622,064	1,050,654
New Brunswick	270,193	68,400	148,652	487,245
Ontario	832,802	780,898	764,809	2,378,509
CANADA (x)	10,819,927	2,994,049	1,801,143	15,615,119

## Table 3 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1930 and 1931.

	Number of employees					Salaries and wages			
Provinces	On se	On salaries On		Nages					
	Male	Female	Male	Female	Total	Salaries	Wages	Total	
						đ.	ę.	4	
1930									
Ontario	18	13	97		128	59,387	79,883	139,270	
British Columbia .	13	1	27		41	20,372	30,789	51,161	
CANADA (x)	40	16	205		261	94,958	167,970	262,928	
1931									
Nova Scotia	13	4	71		88	24,371	55,885	80,256	
New Brunswick	10		46		56	19,503	42,957	62,460	
Untario	27	13	98		138	72,116	86,196	158,312	
CANADA (x)	130	27	478	1	636	318,968	529,288	848,256	

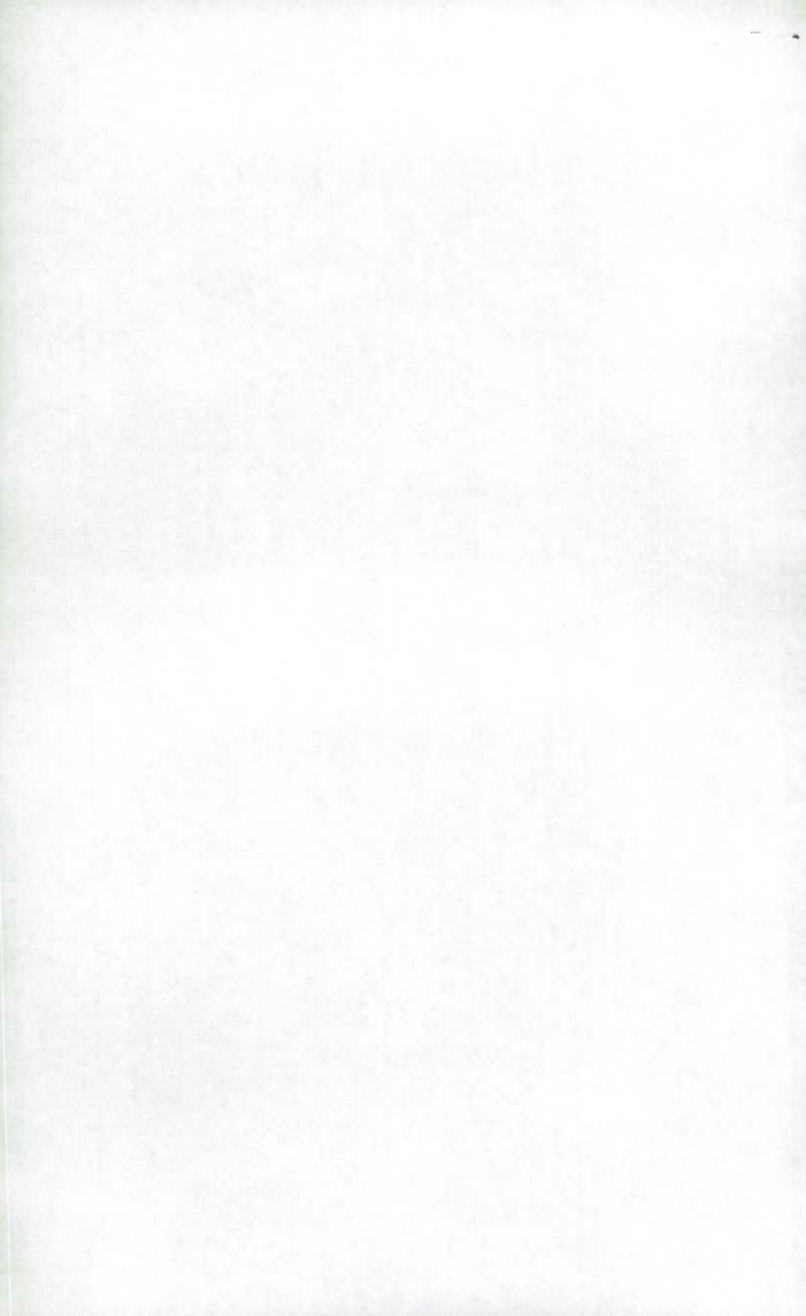
(x) See footnote to Table 1.

Table 4 - WAGE-EARNERS, BY MONTHS, 1930 and 1931.

		1 9 3 0	)		1 9 3 1			
Months	Male	Female	TOTAL	Male	Female	TOTAL		
January	144		144	306	1	307		
February	143		143	405	1	406		
March	221		221	534	1	535		
April	285		285	768	1	769		
May	272		272	663	1	664		
June	137		137	348	1	349		
July	150		150	307	1	308		
August	185		185	368	1	369		
September	173		173	400		400		
October	153		153	468		468		
November	148		148	588	1	589		
December	145		145	575	1	576		
AVERAGE	205		205	478	l	479		

Table 5 - NUMBER	OF WAGE-EARNERS	IN MONTH OF	HIGHEST EMPLOYMENT	F, ACCORDING TO REGULAR
	HOULS OF	WORK PER WEE	K. (Overtime not i	included)

Regular hours per week	Number of wage-earners	Regular hours per week	Number of wage-earners		
40 hours or less	. 24	54 hours	466		
4 hours	. 63	55 hours	68		
45 - 47 hours	. 6	56 - 59 hours	387		
48 hours	. 58	60 hours	89		
49 - 50 hours	. 75	Over 60 hours	73		



	Unit of	1930		1931	
Kinds	measure	Quantity	Value	Quantity	Value
			\$		\$
Anthracite coal	short tons	10	140	10	150
Bituminous coal - Canadian	short tons	511	3,143	1,332	7,983
Imported	short tons	703	4,572	374	1,729
oke	short tons	3	33	2	22
asoline	Imp. gal.	610	128	852	211
lignite coal - Canadian	short tcns	18	279	20	310
lectricity purchased -					
Metered	K.W.H.	575,075	10,594	13,001,338	34,567
TOTAL			18,889		44,972
Table 7 - POWER EMPLOYED, 193	) and 1071				
dole / - FORER EMPLOIED, 100	2 and 1901.	1 9 3 0		193	1
linds	Numb	er of Total	horse 1	Number of Tota	al horse
	un	its pow	eT	units p	ower

Steam engines and steam turbines	ĩ	30	1	30	
Gasoline, gas and oil engines	2	38	4	57	
Tctal Primary Power	3	68	5	87	
Electric motors operated by purchased					
pcwer	73	1,311	452	14,346	
Tctal Power employed	76	1,379	457	14,435	
Total Electric Mctors	73	. 1,311	452	14,348	
Boilers	2	70	2	200	

Table 8 - FROPUCTS OF THE FERTILIZERS INDUSTRY IN CANADA, 1930 and 1931.
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.

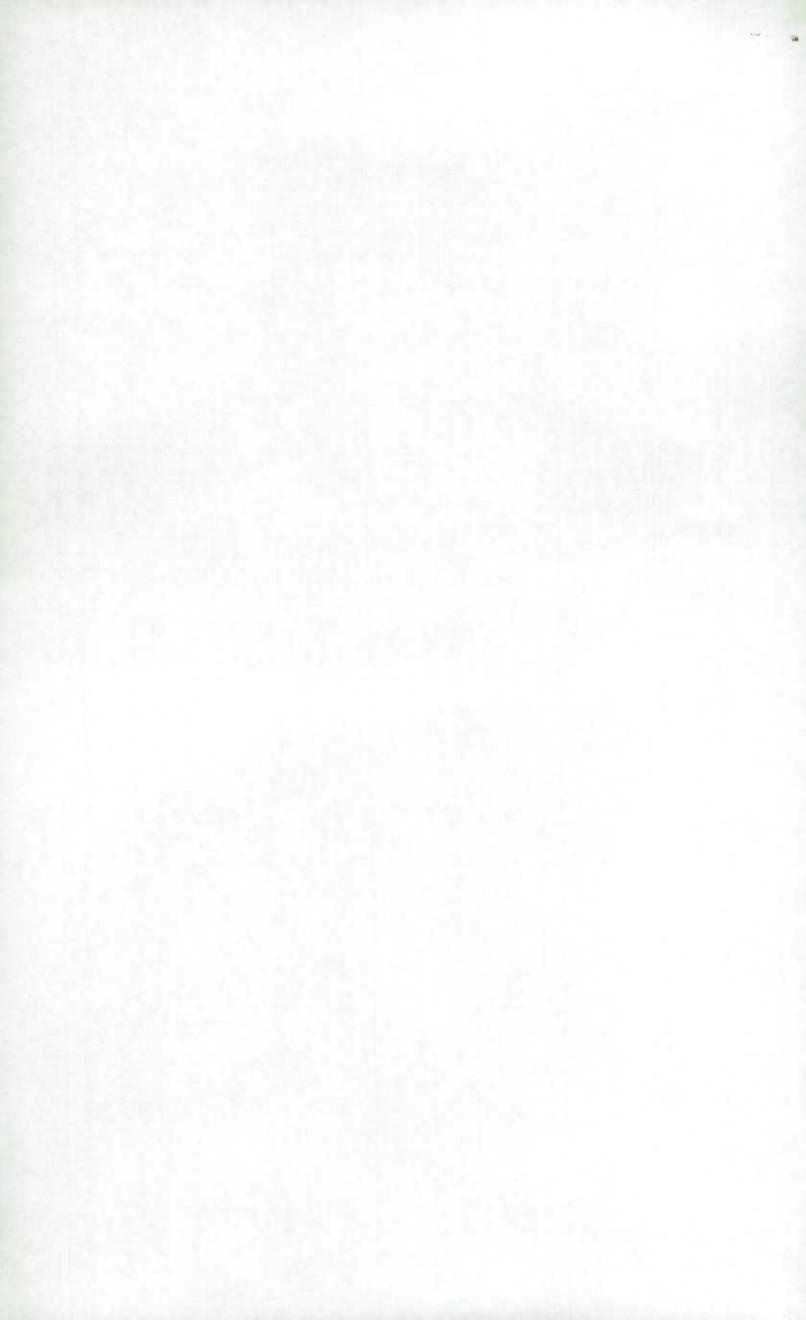
		1 9	3 C	1931		
	Unit of measure		Selling value at works	Quantity	Selling value at works	
			¢.		\$	
complete fertilizer	. ton	73,092	2,317,888	107,852	3,059,095	
11 other products (x)			186,685		1,192,745	
TOTAL			2,504,573		4,251,840	

(x) Includes superphosphate, bone meal, etc.

Table 9 - TOTAL PRODUCTION OF MIXED FERTILIZERS IN CANADA FROM ALL INDUSTRIAL GROUPS, 1921 - 1931.

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

Calendar years	Quantity	Selling value at works	
	Tons		
1921	46,900	2,399,855	
1922	40,843	1,818,136	
1923	37,587	1,366,343	
1924	38,126	1,539,003	
1925	47,076	1,663,129	
1926	56,888	2,043,093	
1927	72,112	2,552,421	
1928	76,180	3,017,648	
1929 1.1	75,164	3,098,567	
1930	78,158	2,548,226	
1931	113,632	3,247,694	



Unit	of	,1 9	3 0	1 9	3 1
meas	ure	Quantity	Value	Quantity	Value
			ew.		\$
MPORTS -	+	0 503	ER ARE	1 000	00 58(
Tankage	ton	2,593	53,465	1,933	26,530
Bone dust, charred bone, bone ash,				0.000	
bone meal, and bone flour		2, 357	123,122	2,898	152,586
Fish offal or refuse		986	11,503	238	8,597
Ammonium sulphate		3,423	137,607	12,830	369,254
Basic slag, crushed or ground	ton	9,556	104,934	12,941	114,549
Cyanamide		295	16,820	60	2,162
Kainite, and other German potash'salts	ton	2,668	62,565	2,266	47,603
Potash, muriate of, grude	ton	84,281	1,246,638	28,862	974,602
Potash, sulphate of, crude	ton	2,069	96,094	3,993	159,77
Soda, nitrate of	ton	31,809	1,280,471	15,250	631,920
Superphosphate		127,891	1,393,862	98,049	936,35'
Fertilizers, compounded or manu-					
factured, n.o.p	ton	63,259	1,621,257	17,257	476,786
XPORTS -					
Tankage	ton	11,156	410,109	9,583	205,11
Bone dust and meal		23	652	2	7:
Fish meal		16,133	884,430	15,863	661,46
Fish offal or refuse		930	36,596	584	19,74
Anmonium sulphate		12,010	386,710	5,627	167,47
Cyanamide		154,224	5,005,809	53,363	1,507,87
Fertilizers, manufactured		5,707	213,881	15,339	610,75

DIRECTORY OF FIRMS INCLUDED IN THE FERTILIZERS INDUSTRY, 1931.

## Name

as also

The Island Fertilizer Co. Ltd. Colonial Fertilizer Company Canadian Industries Limited Nova Scotia Fertilizer Co. Ltd. International Fertilizers Ltd. Ontario Fertilizers Ltd. Ontario Fertilizers Ltd. Saint John Fertilizer Co. Summers Fertilizer Co. Inc. Arthur Lavigueur Canadian Industries Limited Canadian Fertilizer Company Ltd. Chatham, Ont. Canadian Industries Limited Hamilton, Ont. Ontario Fertilizers Limited West Toronto, Ontario Fertilizers Limited Scottish Fertilizers Limited William Stone Sons, Limited Witts Fertilizer Works Canadian Industries Limited Consolidated Mining and Smelting Co. of Canada, Ltd.

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