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THE FERTILIZER INDUSTRY IN CANADA, 1928.

Production from plants in Canada engaged primarily in the manufacture of complete fertilizers amounted in value to \$2,129,986 in 1928. 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 1928, the production value of these commodities totalled \$7,951,502.

Only 12 plants in Canada produced complete fertilizers as their major product during 1928; 5 were in Ontario, 2 in Nova Scotia, 3 in British Columbia, and 1 in Quebec and 1 in New Brunswick. Capital employed in these plants amounted to \$2,131,905 and the average number of persons employed the year round was 251. Payments in salaries and wages totalled \$281,109 and materials used in manufacture cost \$1,446,800.

Complete fertilizer was the major product of the industry. In 1928, production amounted to 53,799 tons worth \$1,990,830 or 90 per cent of the total output of the industry. Superphosphate was actually made in only one plant although several other manufacturers of complete fertilizer sold quantities of superphosphate after dilution with a filler to meet the requirements of the trade. One concern was engaged solely in grinding and preparing basic slag.

Production of complete fertilizer by firms in other industries amounted to 20,381 tons worth \$944,818 while ammonium sulphate, cyanamide, animal tankage, fish fertilizer and ground bone, used extensively as fertilizer, were also produced by concerns classified in other industries. Table 2 of this bulletin gives the production in the fertilizer industry as classified for statistical purposes and Table 3 shows the output from other industries.

Imports of fertilizers and fertilizer materials during the calendar year 1928 amounted in value to \$5,019,841. This total included superphosphate, manufactured fertilizers, sodium nitrate, muriate and sulphate of potash, basic slag, and ammonium sulphate. Exports, valued at \$5,370,836 included cyanamide, ammonium sulphate and manufactured fertilizers.

STATISTICS OF THE FERTILIZER INDUSTRY IN CANADA, 1924 - 1928.

YEAR	No. OF PLANTS	Capital employed	Average no. of employees	Salaries and wages	Cost of materials at works	Selling value of products at works	Value added by manufacturing
		\$		\$	\$	\$	\$
-	14	2,072,488	166	159,310	730,158	1,277,145	546,987
1924 ..	13	2,095,608	201	205,175	1,045,294	1,437,787	392,493
1926 ...	12	1,891,054	221	210,427	1,047,641	1,449,589	401,948
1927 ...	12	1,998,811	233	224,564	1,200,030	1,844,032	644,002
1928 ...	12	2,131,905	251	281,109	1,446,800	2,189,986	743,186

Table 2.- PRODUCTS OF THE FERTILIZER INDUSTRY IN CANADA, 1927 and 1928.

Products made	Unit of measure	1927		1928	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Bone flour and meal.....	ton	132	5,968	265	11,113
Complete fertilizer.....	ton	49,593	1,670,507	53,799	1,990,830
All other products (x).....	-	...	167,557	...	188,043
TOTAL.....	-	...	1,844,032	...	2,189,986

(x) Includes basic slag, superphosphate, tankage, etc.

Table 3.- PRODUCTION OF FERTILIZERS AND FERTILIZER MATERIALS IN OTHER INDUSTRIES, 1927 and 1928.

Industry	Product	Unit of measure	1927		1928	
			Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$	
Cyanamide	- Calcium cyanamide.....	ton	98,763	3,231,326	138,186	4,926,341
Slaughtering and Meat Packing	- Animal tankage.....	ton	17,012	833,334	13,099	647,185
	Bone, raw, ground.....	ton	5,047	202,000	3,974	181,566
	Complete fertilizers.....	ton	22,519	881,914	20,381	944,818
Fisheries	- Fish and whale fertilizers.....	ton	13,630	158,476	10,419	142,848
Coke and gas	- Ammonium sulphate.....	ton	24,708	1,030,991	28,090	1,108,744
	TOTAL.....	ton	181,679	6,338,046	214,149	7,951,502

Table 4.- IMPORTS INTO CANADA AND EXPORTS OF FERTILIZER MATERIALS, CALENDAR YEARS 1927 and 1928.

	Unit of measure	1927		1928	
		Quantity	Value	Quantity	Value
			\$		\$
IMPORTS					
Ammonium sulphate.....	ton	3,181	160,150	3,510	174,899
Basic slag, crushed or ground.....	ton	6,471	82,395	13,980	122,385
Cyanamide.....	ton	1	150	55	2,304
Kainite and other German crude potash salts.....	ton	432	11,283	202	5,694
Potash, muriate of, crude.....	ton	18,673	627,997	23,855	842,968
Potash, sulphate of, crude.....	ton	774	36,018	997	50,167
Soda, nitrate of.....	ton	26,683	1,252,730	26,780	1,204,017
Fertilizers, superphosphate.....	ton	86,589	979,261	97,489	1,188,537
Fertilizers, compounded or manufactured, n.o.p.....	ton	41,963	988,069	58,209	1,428,850
TOTAL.....	ton	184,767	4,138,053	225,077	5,019,847
EXPORTS					
Ammonium sulphate.....	ton	16,947	730,815	13,632	561,696
Cyanamide.....	ton	110,867	4,623,461	135,526	4,759,810
Fertilizers, manufactured.....	ton	1,074	25,306	2,286	49,330
TOTAL.....	ton	128,888	5,379,582	151,444	5,370,836

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