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DEPARTMENT OF TRADE AND COMMERCE  
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CENSUS OF INDUSTRY  
MINING, METALLURGICAL AND CHEMICAL BRANCH  
OTTAWA - CANADA

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CHEMICALS AND ALLIED PRODUCTS GROUP

FINAL SUMMARY STATISTICS - 1940

Production in Canada of chemicals and allied products was valued at \$193,890,338 in 1940, according to final figures compiled from Census of Industry reports for that year. This value, an all-time record, was 27.8 per cent above the corresponding total for 1939.

The principal statistics for the 13 industries in this group are given in the accompanying tables. Each industry showed a substantial increase over 1939, the percentage gains being as follows: Coal tar distillation, 36.4; heavy chemicals, 34.4; compressed gases, 23.1; fertilizers, 14.7; medicinals and pharmaceuticals, 8.8; paints and varnishes, 16.4; soaps and cleaning preparations, 3.5; toilet preparations, 20.0; inks, 10.0; hardwood distillation, 42.0; adhesives, 32.2; polishes, 14.1; and miscellaneous, 45.2.

In 1940 there were 804 factories in operation in this group, representing an investment in fixed and working capital of \$213.6 millions and employing 27,682 workers. About \$82.5 millions were spent on materials for manufacturing, \$38.6 millions for salaries and wages, and \$7.2 millions for fuel and electricity.

About 53 per cent of the production was from Ontario with 430 establishments and output valued at \$103,450,392. Quebec with 246 factories and production worth \$66,307,107 accounted for 34 per cent, and British Columbia with 46 plants and output at \$12,744,521 accounted for 6 per cent of the total.

New records were established in 1940 for both imports and exports of chemicals and allied products. Imports rose 18.6 per cent to \$51,824,059, of which \$41.5 millions was supplied by the United States and \$7.5 millions by the United Kingdom. Exports increased 23.7 per cent to \$31,222,806.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS  
IN CANADA, BY INDUSTRIES, 1939 and 1940

Industries	No. of plants	Capital	Average	Salaries	Cost of	Gross sell-
		employed	number	and	materials	ing value
			of em-	wages	at works(x)	of products
		\$	ployees	\$	\$	at works
						\$
<u>1939</u>						
Coal tar distillation.	11	4,940,020	302	393,522	2,108,544	3,648,080
Acids, alkalies and salts .....	25	36,978,482	3,123	5,032,898	6,021,716	23,056,606
Compressed gases .....	31	5,501,069	672	1,037,718	501,108	4,009,829
Fertilizers .....	27	17,561,474	1,211	1,819,612	8,140,498	13,165,164
Medicinals and pharmaceuticals .....	174	25,282,626	4,388	5,906,891	9,804,525	27,184,262
Paints, pigments and varnishes .....	93	26,348,301	3,540	5,311,616	12,080,774	25,855,506
Soaps and washing compounds .....	110	14,891,150	2,406	3,142,213	9,171,373	20,145,072
Toilet preparations ..	86	5,919,818	1,135	1,304,574	2,792,754	6,918,573
Inks .....	33	2,944,271	543	956,165	1,465,418	3,454,951
Hardwood distillation.	5	1,552,756	179	146,541	415,873	737,673
Adhesives .....	19	2,733,476	427	520,662	905,411	2,110,806
Polishes and dressings	49	2,559,028	468	565,319	1,580,112	3,461,556
Miscellaneous .....	145	25,246,894	4,196	5,429,827	10,242,733	25,788,906
TOTAL .....	808	172,459,365	22,595	31,567,558	65,230,839	159,536,984
<u>1940</u>						
Coal tar distillation.	10	4,144,389	323	459,374	2,480,378	4,975,087
Acids, alkalies and salts .....	27	45,832,949	4,002	6,627,695	8,818,251	31,000,928
Compressed gases .....	31	5,398,557	736	1,103,462	648,259	4,934,313
Fertilizers .....	26	19,050,457	1,392	2,142,890	9,525,143	15,103,819
Medicinals and pharmaceuticals .....	167	28,158,494	4,550	6,293,759	10,896,929	29,571,468
Paints, pigments and varnishes .....	93	28,898,421	3,750	5,809,553	15,232,438	30,109,130
Soaps and washing compounds .....	110	16,293,861	2,649	3,585,884	10,081,240	20,855,880
Toilet preparations ..	91	6,900,429	1,313	1,511,556	3,112,823	8,305,916
Inks .....	33	2,671,482	585	1,076,473	1,601,868	3,799,179
Hardwood distillation.	6	1,900,303	244	218,438	648,573	1,046,976
Adhesives .....	21	2,742,463	497	621,451	1,120,288	2,789,389
Polishes and dressings	49	2,918,822	530	694,158	1,952,597	3,948,212
Miscellaneous .....	140	48,699,883	7,111	8,496,297	16,415,637	37,450,041
TOTAL .....	804	213,610,510	27,682	38,640,990	82,534,474	193,890,338
Per cent gain, 1940 over 1939 .....	...	23.9	22.5	22.4	26.2	27.8

(x) Does not include fuel and electricity costing \$5,259,137 in 1939, and \$7,233,964 in 1940.

NOTE: Profits or losses cannot be computed from the above figures as data are not available for general expense items, such as, rent, depreciation, taxes, insurance, advertising, etc.

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS  
IN CANADA, BY PROVINCES, 1939 and 1940

Provinces	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of materials at works(x)	Gross selling value of products at works
		\$		\$	\$	\$
<u>1939</u>						
Nova Scotia and P. E. Island ..	14	2,629,754	320	357,727	1,381,197	2,580,034
New Brunswick ..	7	1,717,902	172	237,218	1,409,710	2,270,534
Quebec .....	251	61,191,919	8,294	10,888,186	20,247,499	48,803,401
Ontario .....	424	85,757,287	11,726	17,032,755	35,760,702	89,989,135
Manitoba .....	38	4,888,316	615	776,421	2,017,710	4,369,670
Saskatchewan ...	7	502,427	67	104,589	152,452	332,858
Alberta .....	17	624,253	98	110,290	238,282	629,456
British Columbia	50	15,147,507	1,303	2,060,372	4,023,287	10,561,896
CANADA ...	808	172,459,365	22,595	31,567,558	65,230,839	159,536,984
<u>1940</u>						
Nova Scotia and P. E. Island ..	15	3,046,033	348	420,728	1,315,360	3,228,348
New Brunswick ..	7	2,232,381	181	200,835	1,699,884	2,484,001
Quebec .....	246	76,646,272	11,230	14,829,496	28,384,411	66,307,107
Ontario .....	430	110,370,378	13,663	19,802,151	42,743,406	105,450,392
Manitoba .....	37	5,298,837	603	779,050	2,402,810	4,705,329
Saskatchewan ...	7	394,458	65	90,373	158,803	343,457
Alberta .....	16	492,491	99	104,174	242,595	627,185
British Columbia	46	15,129,660	1,493	2,414,183	5,286,635	12,744,521
CANADA ...	804	213,610,510	27,682	38,640,990	82,534,474	193,890,338

(x) Does not include fuel and electricity costing \$5,259,137 in 1939 and \$7,235,964 in 1940.

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