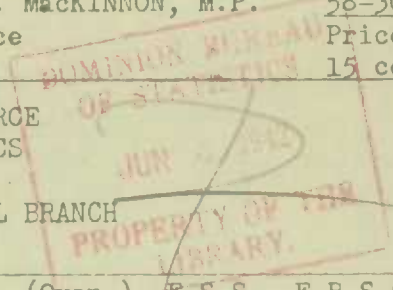


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CHEMICALS AND ALLIED PRODUCTS GROUP

PRELIMINARY SUMMARY STATISTICS - 1941

According to preliminary figures, the production of chemicals and allied products in Canada reached a total value of \$268.5 millions in 1941 compared with \$193.9 millions in 1940 when the previous record was established. Under the impetus of war demands, new plants came into operation, new products appeared, payrolls increased sharply and operations in general were stepped up to a level far above that previously attained.

Each of the 13 industries in this group reported a greater output value than in the previous year, but the gains were principally in heavy chemicals and in the miscellaneous industry which includes explosives and shell-filling, the former increasing 59 per cent and the latter 79 per cent. Gains in the other industries were as follows: Hardwood distillation, 83 per cent; compressed gases, 28 per cent; paints, 27 per cent; medicinals, 24 per cent; polishes, 23 per cent; adhesives, 23 per cent; soaps, 23 per cent; inks, 21 per cent; toilet preparations, 21 per cent and coal tar distillation, 3.5 per cent. For fertilizers, the output value was about the same as in the preceding year.

Altogether there were 803 establishments in operation, representing an investment of \$315 millions and giving employment to an average of 45,968 workers during each month of the year. These firms paid out \$61 millions for salaries and wages, \$121 millions for materials for processing and \$8 millions for fuel and electricity. The increase in capital compared with 1940 was 48 per cent, in employment 66 per cent, in salaries and wages 61 per cent, and in cost of materials 47 per cent.

About 54 per cent of the production in 1941 was from Ontario with 429 establishments and output valued at \$145 millions. Quebec, with 252 factories and production worth \$93.4 millions, accounted for 35 per cent, and British Columbia with 44 plants and output at \$13.2 millions accounted for 5 per cent of the total.

Striking increases were recorded in 1941 for both imports and exports of chemicals and allied products. Imports at \$65.4 millions were 13.6 millions higher than in 1940 with the principal increases being in acids, miscellaneous inorganic chemicals, dyeing and tanning materials and in paints and pigments. About 82 per cent of all purchases came from the United States and nearly 14 per cent from the United Kingdom, it being interesting to note that in regards to value the imports from the United Kingdom were 20 per cent greater than in the preceding year, and in fact exceeding those of any other year.

The value of exports at \$58.7 millions was almost double the corresponding figure for 1940, the principal gains being in the miscellaneous group and in fertilizers and sodium compounds. There was a threefold increase in the value of shipments to the United Kingdom and a 50 per cent gain in the sales to the United States.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS IN CANADA, BY INDUSTRIES, 1940 and 1941

Industries	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
		\$		\$	\$	\$
1940 (Final)						
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	15,232,488	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
1941 (Preliminary)						
Coal tar distillation.	10	4,407,409	367	619,670	3,218,530	5,146,443
Acids, alkalies and salts	32	65,297,383	6,399	10,812,230	16,237,805	49,318,373
Compressed gases	34	7,539,387	851	1,429,658	935,740	6,307,364
Fertilizers	26	20,158,585	1,759	2,845,317	9,346,468	15,108,702
Medicinals and pharmaceuticals	165	31,392,832	5,098	6,993,399	14,841,198	36,806,255
Paints, pigments and varnishes	92	31,685,076	4,127	6,554,766	20,098,961	38,268,976
Soaps and washing compounds	109	19,508,674	3,054	4,499,460	12,820,079	25,596,876
Toilet preparations ..	87	7,829,356	1,471	1,695,004	3,566,085	10,022,516
Inks	33	3,150,372	619	1,179,461	2,167,844	4,596,666
Hardwood distillation.	6	512,419	287	295,652	893,729	1,914,176
Adhesives	20	2,642,873	567	721,871	1,724,209	3,444,039
Polishes and dressings	48	3,320,796	557	712,127	2,501,191	4,857,193
Miscellaneous	141	118,280,057	18,812	23,928,434	32,854,342	67,101,159
TOTAL	803	315,733,219	45,968	62,287,049	121,006,191	268,488,738
Per cent gain, 1941 over 1940		47.8	66.0	61.2	46.6	38.5

(x) Does not include fuel and electricity costing \$8 millions in 1941, and \$7 millions 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, 1940 and 1941

Provinces	Nc. 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>1940</u>						
Nova Scotia and P. E. Island ..	15	3,046,033	348	420,728	1,615,930	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	103,450,392
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	627,183
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
<u>1941 (Preliminary)</u>						
Nova Scotia and P. E. Island ..	14	3,299,291	361	460,983	2,006,787	3,690,133
New Brunswick ..	7	2,577,890	200	231,775	1,688,962	2,506,078
Quebec	252	132,721,239	20,524	25,444,222	43,929,873	93,449,531
Ontario	429	134,728,614	20,609	29,653,425	64,307,233	145,023,636
Manitoba	35	19,176,932	2,321	3,011,783	3,953,128	9,215,936
Saskatchewan ...	7	455,174	60	83,495	135,444	402,431
Alberta	15	9,214,985	228	234,961	399,558	1,029,965
British Columbia	44	13,559,094	1,665	3,166,403	4,585,156	13,170,028
CANADA ...	803	315,733,219	45,968	62,287,049	121,006,191	268,488,738

(x) Does not include fuel and electricity costing \$8 millions in 1941 and \$7 millions in 1940.

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