

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

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CHEMICALS AND ALLIED PRODUCTS GROUP

PRELIMINARY SUMMARY STATISTICS - 1942

According to preliminary figures, the production of chemicals and allied products in Canada reached a total value of \$471.8 millions in 1942 compared with \$304.4 millions in 1941 when the previous record was established. The bulk of the increase in 1942 was, of course, in special chemicals and explosives, but most other lines showed substantial gains also. Percentage gains by the principal industrial groups were as follows: Coal tar distillation, 32; heavy chemicals, 24; compressed gases, 27; fertilizers, 32; medicinals, 16; paints, 13; soaps, 14; toilet preparations, 16; inks, 0.5; adhesives, 23; polishes, 13; and miscellaneous, 130. There was a decline of 6 per cent in the wood distillation industry.

Altogether there were 869 establishments in operation, representing an investment of \$410 millions and giving employment to a monthly average of 80,101 workers during the year. These firms paid out \$115 millions for salaries and wages, \$210 millions for materials for processing and \$9 millions for fuel and electricity. The increase in capital compared with 1941 was 14 per cent; in employment, 48 per cent; in salaries and wages, 52 per cent; and in cost of materials, 56 per cent.

About 49 per cent of the production in 1942 was from Ontario with 453 establishments and output valued at \$230 millions. Quebec, with 278 factories and production worth \$203 millions, accounted for 43 per cent, and British Columbia with 54 plants and output at \$17.6 millions accounted for 4 per cent of the total.

Compared with 1939, the advances in the principal factors as recorded for 1942 were as follows: Capital employed, 138 per cent; employees, 254 per cent; salaries and wages, 264 per cent; cost of materials, 222 per cent; value of products, 196 per cent.

Chemicals

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS IN CANADA, BY INDUSTRIES, 1941 and 1942

Industries	Number of plants	Capital employed \$	Average number of employees	Salaries and wages \$	Cost of materials at works(x) \$	Gross selling value of products at works \$
1941 (Final)						
Coal tar distillation.	10	4,407,409	367	620,129	3,218,530	5,146,443
Acids, alkalies and salts	32	61,329,966	6,482	11,169,284	17,108,347	50,109,348
Compressed gases	35	7,628,438	860	1,446,884	945,836	6,345,140
Fertilizers	27	20,110,569	1,748	2,865,837	9,419,584	15,188,645
Medicinals and pharmaceuticals	169	31,223,170	5,026	6,921,081	13,486,811	35,471,898
Paints, pigments and varnishes	94	31,911,306	4,225	6,843,811	21,495,593	40,183,625
Soaps and washing compounds	116	19,655,049	3,080	4,599,815	12,633,351	25,713,565
Toilet preparations ..	88	7,914,670	1,568	1,832,497	3,803,305	10,155,763
Inks	33	3,164,648	623	1,204,263	2,264,748	4,774,284
Hardwood distillation.	6	1,791,320	286	295,652	893,729	1,865,436
Adhesives	22	3,016,349	599	753,491	1,858,728	3,675,631
Polishes and dressings	50	3,715,165	593	758,991	2,740,967	5,348,568
Miscellaneous	167	162,561,470	28,557	36,323,006	45,055,413	100,422,223
TOTAL	849	358,429,529	54,014	75,634,741	134,924,947	304,400,569
1942 (Preliminary)						
Coal tar distillation.	10	4,766,201	392	708,857	3,833,826	6,805,791
Acids, alkalies and salts	30	64,582,023	7,564	14,039,042	22,256,633	62,166,895
Compressed gases	33	7,107,125	1,033	1,794,416	1,226,437	8,050,616
Fertilizers	25	20,497,479	1,850	3,131,377	12,513,149	20,005,585
Medicinals and pharmaceuticals	183	34,345,144	5,414	7,704,788	15,434,164	40,935,175
Paints, pigments and varnishes	94	33,915,226	4,464	7,510,533	23,910,591	45,252,587
Soaps and washing compounds	119	20,447,148	3,111	4,862,798	15,358,130	29,252,469
Toilet preparations ..	83	8,955,106	1,620	1,907,597	4,165,966	11,813,999
Inks	34	3,116,202	600	1,218,207	2,085,138	4,797,008
Hardwood distillation.	6	840,201	297	360,532	961,702	1,764,290
Adhesives	21	3,594,884	594	877,642	2,122,940	4,512,449
Polishes and dressings	53	3,982,024	614	845,887	2,199,799	6,040,074
Miscellaneous	178	204,062,104	52,548	69,883,747	103,833,299	230,400,547
TOTAL	869	410,210,867	80,101	114,845,423	209,901,774	471,797,485
Per cent gain, 1942 over 1941	+2.4	+14.5	+48.3	+51.8	+55.6	+55.0

(x) Does not include fuel and electricity costing \$13 millions in 1942, and \$12 millions in 1941.

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, 1941 and 1942

Provinces	Number of plants	Capital employed \$	Average number of em- ployees	Salaries and wages \$	Cost of materials at works(x) \$	Gross sell- ing value of products at works \$
<u>1941 (Final)</u>						
Nova Scotia and P. E. Island ..	14	3,381,641	361	460,985	2,006,787	3,691,133
New Brunswick ..	7	2,577,890	200	231,775	1,688,962	2,506,078
Quebec	275	167,502,850	26,784	35,679,217	54,932,208	120,569,492
Ontario	444	140,437,946	22,083	32,205,689	66,005,344	150,534,865
Manitoba	36	19,212,321	2,358	3,072,714	4,087,522	9,696,105
Saskatchewan ...	8	455,595	61	83,908	135,257	403,489
Alberta	17	9,229,516	233	240,557	423,395	1,072,222
British Columbia	48	15,631,770	1,934	3,659,896	5,645,472	15,927,185
CANADA	849	358,429,529	54,014	75,634,741	134,924,947	304,400,569
<u>1942 (Preliminary)</u>						
Nova Scotia and P. E. Island ..	13	3,923,776	396	541,778	2,469,976	4,460,424
New Brunswick ..	7	2,794,197	231	284,068	2,134,857	3,108,223
Quebec	278	201,263,942	41,214	56,496,062	77,474,283	203,426,287
Ontario	453	154,543,974	33,402	49,677,099	116,004,846	230,016,583
Manitoba	36	19,877,069	2,373	3,149,281	4,412,972	10,059,491
Saskatchewan ...	9	417,774	73	104,067	142,044	440,117
Alberta	19	11,000,912	447	781,801	587,882	2,631,772
British Columbia	54	16,389,223	1,965	3,811,267	6,674,914	17,654,588
CANADA	869	410,210,867	80,101	114,845,423	209,901,774	471,797,485

(x) Does not include fuel and electricity costing \$1.3 millions in 1942 and \$1.2 millions in 1941.

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