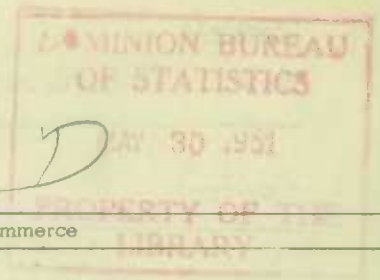


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CHEMICALS AND ALLIED PRODUCTS

PRELIMINARY SUMMARY STATISTICS, 1950

A preliminary compilation for 1950 places the total output value for the Chemicals and Allied Products group of industries at \$636 millions or 8.3 per cent more than the former peace-time high of \$587.4 millions in 1949. This year's value was four times the corresponding figure for 1939, and since the index of wholesale prices for chemicals and allied products has advanced about 57 per cent over the eleven-year period, from 100.3 in 1939 to 157.7 in 1950, it appears that the physical volume of output was nearly two and a half times that of 1939.

All but one of the industries in the chemicals and allied group showed substantial gains in output in 1950 compared with the previous year. The percentage increases were as follows:- Coal tar distillation, 1.1; heavy chemicals, 14.5; compressed gases, 2.2; fertilizers, 2.7; medicinals, 5.6; paints, 9.5; soaps, 3.0; toilet preparations, 12.8; inks, 13.1; adhesives, 13.4; polishes, 10.2; primary plastics, 46.7; miscellaneous, 13.5. Output from the vegetable oils industry declined 11 per cent.

In the entire group there were 1,019 plants in 1950 with 42,173 employees and aggregate pay roll amounting to \$106 millions. The 511 establishments in Ontario accounted for 58 per cent of the production and 52 per cent of the employees, and the 332 works in Quebec accounted for 29 per cent of the total output and 37 per cent of the workmen.

Exports of chemicals and allied products increased substantially in 1950, the value amounting to \$100.5 millions which was greater than in any other year except 1945. Gains were recorded for acids, pharmaceuticals, paints, explosives, inorganic chemicals, and for miscellaneous chemicals and chemical products but declines were shown for fertilizers, soaps and toilet preparations. Fertilizers at \$38.9 millions accounted for 38 per cent of the total exports with sodium compounds, synthetic resins, acetic acid, streptomycin, acetylene black, calcium compounds, penicillin, polystyrene, medicinals and paints as the other more important items. About 58 per cent of the export shipments went to the United States and only 6 per cent to the United Kingdom.

Imports rose about 21 per cent in 1950 to \$158.2 millions of which nearly 85 per cent came from the United States and 9 per cent from the United Kingdom. Germany, Switzerland, France, Argentina and the Netherlands accounted for a large part of the remainder. The value of imports has doubled since 1945 when the value was \$79.8 millions.

Forecasts on capital expenditures by firms in the chemical field indicate that \$50 millions will be spent on new buildings and equipment in 1951. This compares with actual outlays for similar purposes of \$33 millions in 1950 and \$38 millions in 1949. It is estimated that an additional \$26 millions will be spent by chemical firms for plant repairs and maintenance in 1951.

Table 1 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY INDUSTRIES, 1949 and 1950

Industry	Number of plants	Average	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		number of employees				
	No.	No.				
<u>1949</u>						
Coal tar distillation	11	415	1,167	549	4,787	9,333
Heavy chemicals	28	5,861	16,505	7,355	27,392	74,412
Fertilizers	32	3,269	9,005	1,772	31,671	67,428
Compressed gases	48	1,223	3,231	432	1,979	12,091
Medicinals and pharmaceuticals	218	7,658	16,117	593	22,900	71,502
Paints and varnishes	112	6,035	14,138	623	42,428	82,861
Soaps and washing compounds ...	143	3,637	9,374	964	31,029	62,398
Toilet preparations	94	1,720	3,009	74	7,088	19,047
Inks	32	704	1,969	63	4,002	8,940
Vegetable oils	15	829	2,122	477	41,632	51,242
Adhesives	25	749	1,728	340	4,219	7,825
Polishes and dressings	57	797	1,656	78	5,919	11,865
Plastics (primary only)	14	1,286	3,496	462	10,898	21,022
Miscellaneous (★)	208	7,145	17,174	5,436	44,065	87,432
TOTAL	1,037	41,328	100,691	19,218	280,009	587,398
<u>1950</u>						
Coal tar distillation	11	439	1,214	597	5,407	9,472
Heavy chemicals	28	6,076	17,320	8,241	28,386	85,180
Fertilizers	35	3,279	9,365	1,989	32,078	69,243
Compressed gases	50	1,245	3,240	492	1,884	12,354
Medicinals and pharmaceuticals	208	7,833	16,755	642	25,521	75,541
Paints and varnishes	111	6,099	14,746	688	48,679	90,707
Soaps and washing compounds ...	141	3,833	10,364	266	34,205	64,295
Toilet preparations	96	1,849	3,336	56	7,828	21,488
Inks	29	788	2,204	79	4,514	10,116
Vegetable oils	15	820	2,156	464	38,341	45,608
Adhesives	26	703	1,696	355	4,620	8,872
Polishes and dressings	54	750	1,373	78	6,250	13,075
Plastics (primary only)	14	1,390	4,204	596	15,092	30,833
Miscellaneous (★)	201	7,069	18,062	6,068	47,921	99,207
TOTAL	1,019	42,173	106,035	20,611	300,726	635,986

(★) Includes explosives, hardwood distillation, insecticides, matches, dry colours, etc.

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY PROVINCES, 1949 and 1950

Provinces	Number of plants	Average	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		number of employees				
	No.	No.				
<u>1949</u>						
Newfoundland	8	95	187	12	628	953
Prince Edward Island and Nova Scotia	17	355	771	136	4,244	7,108
New Brunswick	7	145	354	64	3,445	4,520
Quebec	334	15,514	36,349	4,258	76,966	167,323
Ontario	531	21,153	52,652	13,524	158,608	330,497
Manitoba	42	768	1,530	124	7,298	13,244
Saskatchewan	11	220	578	49	4,115	5,575
Alberta	20	599	1,592	713	3,452	9,318
British Columbia	67	2,479	6,678	338	21,253	48,860
CANADA	1,037	41,328	100,691	19,218	280,009	587,398

Table 2 - PRINCIPAL STATISTICS FOR THE MANUFACTURE OF CHEMICALS AND ALLIED PRODUCTS, BY PROVINCES, 1949 and 1950 (Concluded)

Province	Number of plants	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross sell- ing value of products at works
	No.	No.		(000's of dollars)		
<u>1950</u>						
Newfoundland	6	74	151	14	560	988
Prince Edward Island and Nova Scotia	17	345	779	144	4,138	6,795
New Brunswick	7	139	353	58	3,236	4,293
Quebec	332	15,731	38,003	4,853	86,536	183,888
Ontario	511	21,820	56,021	14,185	176,019	368,289
Manitoba	39	757	1,526	132	6,728	11,930
Saskatchewan	11	220	578	35	1,299	1,984
Alberta	21	578	1,606	840	2,334	8,337
British Columbia	75	2,509	7,018	350	19,876	49,482
CANADA	1,019	42,173	106,035	20,611	300,726	635,986

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