

**9.4 Principal application of current expenditure on natural science R&D, by performer, year ended Mar. 31, 1974 (million dollars)**

Application	Federal government	Canadian industry	Canadian universities and non-profit institutions	Other <sup>1</sup>	Total
Free basic research	10.4	—	39.6	0.9	50.9
Agriculture	72.2	—	0.8	0.4	73.4
Construction	7.2	1.0	0.1	—	8.3
Defence	38.8	9.4	3.3	0.5	52.0
Developing countries	—	—	0.2	6.8	7.0
Energy	70.1	26.4	8.1	0.7	105.3
Fisheries	12.0	0.6	0.4	—	13.0
Forestry	16.1	0.9	0.7	1.0	18.7
Public health	7.2	0.2	6.3	0.4	14.1
Medical sciences	2.1	—	49.4	2.0	53.5
Manufacturing industry	16.7	111.8	0.8	1.2	130.5
Meteorology and weather	4.6	0.1	0.6	—	5.3
Mineral location and extraction	19.2	0.5	0.7	1.7	22.1
Northern development	2.6	0.3	1.1	0.1	4.1
Pollution	20.1	0.3	0.7	0.1	21.2
Space	9.8	13.1	—	1.6	24.5
Telecommunications	8.2	0.4	0.5	—	9.1
Transportation	10.3	1.8	0.7	0.1	12.9
Water resources	3.2	0.2	0.6	0.1	4.1
Others	17.4	0.1	20.4	2.0	39.9
Total	348.2	167.1	135.0	19.6	669.9

<sup>1</sup>Includes other Canadian and foreign performers.

**9.5 Personnel engaged in scientific activities in the natural sciences, by federal department or agency and category, 1973-74 (man-years)**

Department or agency	In-house research			In-house related scientific activities			Administration of extra-mural programs	Total
	Scientific and professional	Technical	Other	Scientific and professional	Technical	Other		
Environment	1,128.5	1,186.0	925.0	989.0	2,137.0	1,536.1	9.1	7,910.7
Agriculture	956.6	1,021.9	2,148.3	51.2	63.5	69.5	—	4,311.0
National Research Council	694.0	888.0	651.0	211.0	158.0	324.0	67.0	2,993.0
National Defence	412.0	726.0	700.0	61.0	617.0	307.0	70.8	2,893.8
Energy, Mines and Resources	684.0	344.0	261.0	210.0	666.0	640.0	3.0	2,808.0
Atomic Energy of Canada Limited	643.0	855.0	816.0	37.0	57.0	63.0	—	2,471.0
National Health and Welfare	183.5	195.8	111.1	23.1	28.2	65.3	16.4	623.4
Communications	144.0	159.0	206.5	5.0	—	7.0	—	521.5
Consumer and Corporate Affairs	—	—	—	219.0	50.0	220.0	—	489.0
Others	111.3	116.0	87.4	74.6	96.5	133.8	266.8	886.4
Total	4,956.9	5,491.7	5,906.3	1,880.9	3,873.2	3,365.7	433.1	25,907.8

**9.6 Payments to Canadian universities and non-profit institutions for natural science R&D, years ended Mar. 31, 1965-74 (million dollars)**

Department or agency	1965	1966	1967	1968	1969	1970	1971	1972	1973P	1974P
Atomic Energy Control Board	1.3	1.6	2.0	2.5	3.6	5.4	7.1	11.7	7.9	7.2
Environment	...	...	...	...	...	3.4	2.8	2.8	2.8	3.4
Medical Research Council	6.2	11.5	11.2	18.5	25.1	28.0	30.7	32.0	33.8	36.8
National Defence	2.4	2.5	2.9	3.7	3.2	3.3	3.3	3.4	3.1	3.2
National Health and Welfare	4.1	4.2	6.5	14.5	16.8	14.4	12.4	12.6	13.8	19.0
National Research Council	14.6	18.1	29.1	37.9	49.8	55.5	55.5	58.5	58.2	59.6
Regional Economic Expansion	—	0.1	0.4	1.4	—	3.7	3.6	0.6	0.7	—
Others	1.4	3.4	3.9	3.2	4.1	2.7	3.1	3.8	5.5	5.8
Total	30.0	41.4	56.0	81.7	102.6	116.4	118.5	125.4	125.8	135.0