



Survey on emerging technologies 2005 (Pre-contact)

Confidential once completed

Collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S19. Completion of this questionnaire is a legal requirement under the *Statistics Act*.

Version française au verso



Information for the Respondent

Purpose of survey

Statistics Canada is conducting this survey in order to develop information on emerging technologies such as biotechnology, bioproducts, nanotechnologies and functional foods and nutraceuticals. The purpose of this questionnaire is to identify and determine industry sectors where these activities take place. Please report on *Canadian activities of your firm in biotechnology, nanotechnology, bioproducts or functional foods and nutraceuticals*. Your firm may have responded to biotechnology questions in previous surveys, but there is also an increasing demand for information on other technologies and their impact on the Canadian economy.

Authority

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Confidentiality

Statistics Canada is prohibited from publishing any statistics that would divulge information obtained from this survey that relates to any identifiable business, institution or individual. Data is treated in strict confidence, used for statistical purposes and released in aggregate form only. The confidentiality provisions of the *Statistics Act* are not affected by either the *Access to Information Act* or any other Legislation.

Who should complete this questionnaire?

A knowledgeable senior person in your firm, such as an R&D manager or production manager, can quickly complete this questionnaire. Please fill in the contact information below, answer the first 5 questions as well as question 6 if applicable and return the completed questionnaire in the accompanying self addressed prepaid envelope to Statistics Canada.

Assistance

If you have questions or require assistance please contact:

Claire Racine-Lebel
Statistics Canada
7th Floor, R.H. Coats Building, Tunney's Pasture
Ottawa, Ontario K1A 0T6
Telephone: 613-951-6309
Fax: 613-951-9920
E-mail: sieidinfo@statcan.ca

Please provide the following information:

Name of person completing this questionnaire	Title
Telephone number (<input type="text"/> <input type="text"/> <input type="text"/>) <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Fax number (<input type="text"/> <input type="text"/> <input type="text"/>) <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Web address	E-mail

1. Does your firm currently use or develop biotechnology in its activities?

Yes No

Definition of biotechnology:

Biotechnology is defined as the application of science and engineering in the direct or indirect use of living organisms in their natural or modified forms in an innovative manner in the production of goods and services or to improve existing processes. **Biotechnologies can be grouped in the following types of biotechnology:** DNA (the coding), Proteins and Molecules (the functional blocks), Cell and Tissue Culture and Engineering, Process Biotechnologies, Sub-Cellular Organisms, Other (Bioinformatics, Nanobiotechnologies, Environmental biotechnology, other).

2. Does your firm provide biotechnology related goods or services to other biotechnology firms or organizations?

Yes No

3. Is your firm engaged in research and development on nanotechnologies?

Yes No

Definition of nanotechnology

Nanotechnology is the manufacturing of devices and products from molecular or nano-scale components with extraordinary properties. A nanometre is one billionth of a metre, 3 to 4 atoms wide.

4. Does your firm produce or develop any of the following bioproducts?

Yes No

List of bioproducts

- | | |
|---|---|
| <i>Bio-fuels ethanol, bio-diesel</i> | <i>Bio-sensors</i> |
| <i>Bio-energy heating and electricity</i> | <i>Bio-pesticides/bio-fungicides</i> |
| <i>Bio-chemicals/bio-pharmaceuticals</i> | <i>Fiberboard/agri-fiber panels</i> |
| <i>Bio-plastics/bio-adhesives</i> | <i>Textiles from hemp and flax</i> |
| <i>Bio-lubricants/bio-solvents</i> | <i>Cosmetics</i> |
| <i>Bio-catalysts</i> | <i>Other bioproducts please specify</i> |

5. Is your firm involved in developing or manufacturing functional foods and/or nutraceuticals?

Yes No

Definitions:

A **Functional food** is demonstrated to have physiological benefits and/or reduce the risk of chronic disease beyond basic nutritional functions.

A **Nutraceutical** is a product isolated or purified from foods and sold in medicinal forms such as powders, tablets and capsules and demonstrated to have physiological benefit or provide protection against chronic disease.

6. If you answered "yes" to at least one of the previous questions (questions 1, 2, 3, 4 or 5), please provide the name of a contact person (the person can be you) that is the most qualified to answer questions related to the biotechnology, nanotechnology, bioproducts or functional foods and nutraceuticals activities of your firm:

Name of the person

Title

Telephone number Area code -

Fax number -

E-mail

Comments

Thank you for your cooperation