

AGRICULTURE & CLEANTECH



8,5%
of GDP



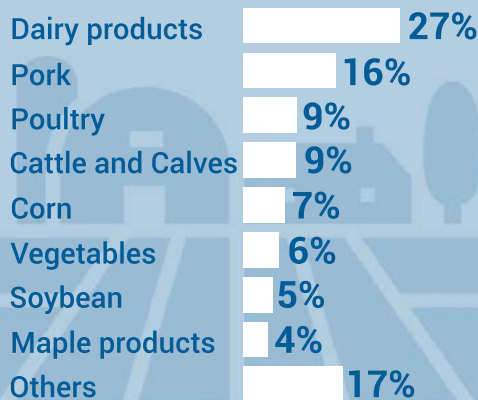
6%
of GDP



7%
of GDP

With a population of **9 billion** by 2050, global **agricultural production** will have to grow considerably while **preserving the environment**, hence the need for **clean technologies** in this sector

Québec Farming Revenues (2015)



QUÉBEC ASSETS

- >> The Production of biological products represents twice the Canadian average
- >> Seed treatment
- >> Bio-pesticides
- >> Optimization of farm management
- >> Agroforestry and energy crops
- >> Technologies adapted to cold climate

SUPPORT PROGRAMS (2017-2018 BUDGETS)

Canada :

\$ 200 million to support clean technology research, development and demonstration and the adoption of clean technology in agriculture

Québec :

\$ 159.2 million to support the agriculture and agri-food sector, including innovative, organic agriculture and pesticide reduction

Research and organizations

- >> College Centres for the Transfer of Technology (AGRINOVA, Biopterre, CETAB+, Cintech Agroalimentaire, TransBIOTech)
- >> Research Centres of Agriculture and Agri-Food Canada and Fisheries and Oceans Canada
- >> Centre de recherche, de développement et de transfert technologique acéricole inc. (ACER)
- >> Centre de recherche en innovation sur les végétaux (CRIV)
- >> Centre de recherche en sciences animales de Deschambault (CRSAD)
- >> Centre de recherche sur les grains inc. (CÉROM)
- >> Centre de référence en agriculture et agroalimentaire du Québec (CRAAQ)
- >> McGill University Faculty of Agricultural and Environmental Sciences Research Centres
- >> Institut de recherche et de développement en agroenvironnement inc. (IRDA)
- >> Institut de technologie agroalimentaire (ITA)
- >> ACCORD Niches of excellence (AgroBoréal, Créneau Accord Bio-industries environnementales, Ressources, sciences et technologies marines, Tourbe et agroenvironnement)

A sample of Québec's innovations



agrisoma.com

Agrisoma develops and markets Ethiopian mustard (*carinata*) under the brand name Resonance. This oilseed crop grows well in soils unsuitable for the production of many major food crops. It delivers oil for biofuels and protein for animal nutrition.



inno-3b.com

INNO-3B manufactures vertical hydroponic systems in which the determinant plant growth factors like temperature, humidity and lighting are optimized and controlled. This intelligent culture allows for low footprint, better plant growth, pathogen control and high energy efficiency.



eau-agriculture.com

ÉAU designs and sells aquaponic systems which allow closed circuit production of fruits, vegetables and fish. Fish excrements feed the plants which in turn filter the water for fishes. These systems require 80% less water than conventional agriculture without pesticides or fertilizers.



inocucor.com

Inocucor develops and designs microbial solutions to improve the natural performance of soil and water. Its natural macrobiotic solution accelerates and stabilizes plant growth and decaying organic waste to improve food production in various habitats.



hortau.com

With soil tension measurement and weather stations reporting how crops are faring in real time, Hortau's smart irrigation management systems are proven to improve yields, cut down water and energy costs, and help reduce environmental impacts.



Premier Tech

premiertech.com

Premier Tech produces and sells a prefabricated growing medium made of sphagnum peat moss, fertilizers and aggregates as well as mycorrhizal inoculants, active ingredients that enhance the growth and resistance of plants.

écotech
Québec

As the first organization of this kind in Canada, **Écotech Québec** brings together key decision makers of Québec's cleantech ecosystem.

Discover how Québec stands out in the clean technologies' sector

www.ecotechquebec.com