

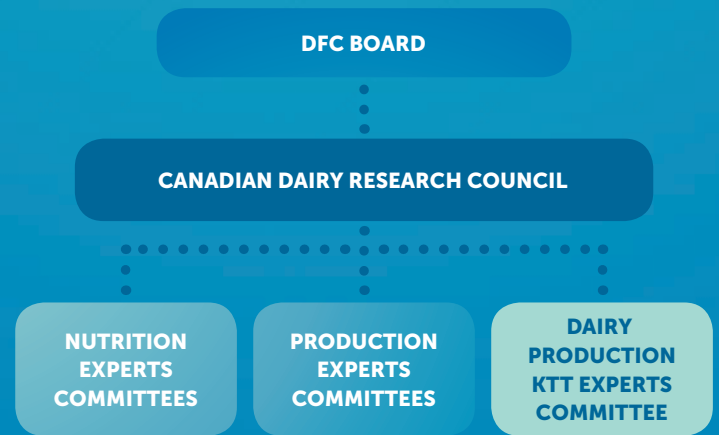
DAIRY RESEARCH GOVERNANCE

Research Highlights 2017 – 2018



Canadian Dairy Research Council

Front row, left to right: Bitu Farhang - DFO, David Wiens - Dairy Farmers of MB (Chair), David Walker - Milk 2020, Élise Gosselin - Novalait Inc., Trevor Hargreaves - BCDA, Émie Désilets - DFC, Joy Smith - SaskMilk, Maria Kalergis - DFC
Back row, left to right: Brian Van Doormaal - CDN, Nicole Sillett - DFC, Ron Maynard - DF of PEI, George MacNaughton - DFO, Blaine McLeod - SaskMilk, Mike Slomp - Alberta Milk, Isabelle Neiderer - DFC, Annik L'Espérance - DFC
Missing: Albert Fledderus - DFO, Ed Friesen - CDN, Gilbert Perreault - PLQ, Seylene Chestley - Dairy Farmers of MB, Shelley Crabtree - Dairy Research Cluster



The Canadian Dairy Research Council

The Canadian Dairy Research Council (CDRC) is a Committee reporting to Dairy Farmers of Canada's (DFC) Board of Directors. It is comprised of six members of DFC's Board of Directors, representatives from DFC member organizations and DFC staff. The CDRC oversees research investments in dairy production and human nutrition and health, and implements the national research and knowledge translation and transfer (KTT) strategies, research program development and KTT activities in dairy production.

National Dairy Research Strategy - Investing in Our Dairy Future

Adopted in 2016 by DFC's General Council, the implementation of the National Dairy Research Strategy adheres to the principles of transparency, inclusiveness, integrity, social responsibility and is founded on a rigorous and credible scientific process.

The strategy includes targeted outcomes and investment priorities for four main areas:

- Dairy farm efficiency and sustainability
- Animal health and welfare
- Milk composition, quality and safety
- Milk products and their components in human nutrition and health

2017-2018 marked the final year for Dairy Research Cluster 2 research and KTT activities. The Cluster Research Committees in Sustainable Milk Production and in Human Nutrition and Health

reviewed research teams' final reports and key outcomes from Cluster projects. The information was compiled and submitted to Agriculture and Agri-Food Canada (AAFC) as part of DFC's final performance report on the Dairy Research Cluster 2 (2013-2018) success in driving innovation in Canadian dairy.

The CDRC also oversaw the scientific review process to prepare DFC's funding application for a Dairy Research Cluster 3 under AAFC's Canadian Agricultural Partnership program. DFC submitted its full funding application to AAFC on December 20th, 2017.

The National Strategy for Dairy Production Research Knowledge Translation and Transfer (KTT)

DFC adopted a National Strategy for Dairy Production Research KTT in July 2017. The goals are to facilitate collaboration and coordination for KTT, maximize the effectiveness of the transfer of research results and aim to increase innovation on farms. The CDRC is responsible for its implementation and approved the terms of reference and creation of a Dairy Production KTT Experts Committee to collaborate nationally on accelerating the development and delivery of KTT to Canadian dairy farmers.

Research Investments

In 2017-2018, DFC invested \$1.7 million in research. The total of research activities value leveraged from DFC contribution to drive innovation in the Canadian dairy sector reached around \$7.8 million.

DFC 2017-2018 Research Investments and Associated Financing Partners

Program	Purpose	Targeted Areas of Research	Program Duration	Ongoing Projects	Total Research Program Value	DFC Investment	Funding Partners
Dairy Research Cluster 2	Targeted research and development activities that bring innovation to the sector	<ul style="list-style-type: none"> • Sustainable milk production • Genetics and genomics • Human nutrition and health 	2013-2018	27	\$18.4 million	\$730,000	<ul style="list-style-type: none"> • Agriculture and Agri-Food Canada • Canadian Dairy Commission • Canadian Dairy Network (CDN)
Nutrition Expert Scientific Advisory Committee (NESAC)	Support research that has nutritional and health implications for Canadian dairy products. Also, encourage research that will bring innovative and competitive dairy products with health benefits to the market	<ul style="list-style-type: none"> • Regular fat and specific dairy products (milk, yogurt and cheese) and cardiometabolic health and healthy aging • Sugar-sweetened dairy products, diet quality and cardiometabolic health • Dairy products and musculoskeletal health • Dairy products in healthy sustainable diets 	A competition is held annually by DFC	10	~\$700,000	\$644,000	<ul style="list-style-type: none"> • National Sciences and Engineering Research Council of Canada (NSERC; Opportunity for specific projects)
Dairy Research Consortium (DRC)	International partnership to accelerate pre-competitive research on the nutrition and health benefits of dairy	<ul style="list-style-type: none"> • Milk Fat • Bone Health • Protein • Sustainability 	2015-2018	1	\$1,092,430 USD	\$52,000	<ul style="list-style-type: none"> • Dairy Management Inc., USA • Dairy Australia Ltd. • Dutch Dairy Association • Centre national interprofessionnel de l'économie laitière, France • Danish Dairy Research Foundation
Research Chairs	NSERC industrial research chairs are industry-driven research endeavours that help universities develop the critical mass required to perform research in a priority area for the industry	<ul style="list-style-type: none"> • Dairy Cattle Welfare • Infectious Diseases of Dairy Cattle • Sustainable Life of Dairy Cattle 	Chair research programs are 5 year terms	3	Approximately \$1.8 million/ chair	\$200,000	<ul style="list-style-type: none"> • NSERC • Dairy sector partners (Alberta Milk, BC Dairy Association, CanWest DHI, Dairy Farmers of Manitoba, Novalait Inc. and Valacta) • Canadian Universities
Dairy Cattle Genetics Research and Development (DairyGen) Council	Through DairyGen, all dairy cattle improvement organizations including AI, breeds, milk recording and Dairy Farmers of Canada support high priority research in dairy cattle genetic improvement	<ul style="list-style-type: none"> • Reproduction • Animal Health • Sustainability • Epigenetics • Breeding Strategies • Advancement in Methodologies • Novel Ideas and New Technologies 	A competition is held annually by CDN	5	Annual budget of \$450,000	\$75,000	<ul style="list-style-type: none"> • NSERC • Dairy sector partners • Genome Canada • Provincial Governments

NB: As per all our research agreements, aside from providing financial support, the funders have no role in the design and conduct of the studies, data collection, and analysis or interpretation of the data. Researchers maintain complete independence in conducting their studies, own their data, and report the outcomes regardless of the results. The decision to publish the findings rests solely with the researchers.

DFC Research Team

- Isabelle Neiderer, Director, Nutrition and Research
- Émie Désilets, Assistant Director, Research
- Maria Kalergis, National Program Manager, Nutrition, Scientific Affairs
- Annik L'Espérance, Research Coordinator
- Shelley Crabtree, Communications Specialist

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Dairy Research Cluster Channel

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