CFIA SCIENTIFIC RESEARCH STRATEGY 2018-2021

GOAL: *Advancing science and innovation to support evidence-based decision-making by providing timely and meaningful scientific research outputs to inform the design and delivery of regulatory policies and programs.*

OBJECTIVES

- ✓ Advance science and innovative scientific research
- ✓ Enable evidence-based devision-making
- ✓ Strengthen collaborative opportunities and partnerships
- ✓ Maximize the impact and value of research investments

TRENDS AND DRIVERS

- New threats, pressures and emerging issues
- Rapid advances in Science and Technology
- "One Health" Approach, and Canada's Plant and Animal Health Strategy
- Open Science commitments and Open Government requirements
- "One Agency" Approach

STRATEGIC ENABLERS

1. Integrated multi-disciplinary scientific research teams with international and national networks
2. Engaged FPT relationships
3. Enhanced human resource capacity
4. Optimized IM/IT and scientific equipment
5. Modernized financial approaches

CFIA PRIORITIES	RESEARCH STRATEGIC PRIORITIES	EXPECTED OUTCOMES
 Modern Regulatory Toolkit	**Generate new knowledge and technology** Provide seminal knowledge that will support the design and implementation of the modern regulatory toolkit to anticipate and respond to emerging risks.	**CFIA** applies scientific research knowledge and technology to support the Agency's legislative framework.
 Integrated Risk Management	**Enhance risk intelligence capacity** Generate data and information through the CFIA's integrated network to enhance program reviews and policy updates to better measure, monitor, mitigate and manage risks.	**CFIA** efficiently and effectively deploys resources to enhance the Agency's surveillance, risk analysis and foresight capacity.
 Consistent & Efficient Inspections	**Provide robust processes and tools** Deliver new science-based methods, tools, standards, and innovative approaches to respond to emerging risks and enhance responsiveness to existing issues.	**CFIA** supports the application of science-based process and tools focused on regulatory outcomes.
 Digital First Tools & Services	**Facilitate open and transparent knowledge transfer** Support sharing of information and knowledge through open access digital tools to foster relationships between the CFIA and its partners.	**CFIA** contributes to knowledge of food safety, animal and plant health through the sharing of information on open, digital platforms.
 Global Leader	**Encourage research collaborations and partnerships** Leverage multi-disciplinary scientific research collaborations, partnerships and networks to enhance capability and capacity to address new challenges and opportunities.	**CFIA** maintains a leadership position on the international stage and influences international standards, improves safety and environmental outcomes, and supports market access.

The CFIA Scientific Research Strategy is to be used by the CFIA and its stakeholders to support decision-making during scientific research engagement, prioritization, planning, delivery, reporting, and evaluation activities.

TARGETS

APPLICATION

The use and integration of scientific research data, information and knowledge in the areas of:

- ▶ Policy making
- ▶ Program design
- ▶ Risk intelligence
- ▶ International standard setting

INNOVATION

The advancement of creative and novel ways to:

- ▶ Develop new science-based tools, technology, methods and processes
- ▶ Integrate science in knowledge application
- ▶ Share information and data to advance scientific research
- ▶ Provide global leadership in regulatory scientific research

GUIDING PRINCIPLES

Research Excellence ● Increased Focus on Prevention ● Global Collaboration and Partnerships ● Openness and Transparency

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