



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

Canada

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Agricultural Methane Reduction Challenge

APPLY TODAY!



Agriculture and Agri-Food Canada is investing in innovative, scalable and economically viable practices, processes, and technologies that reduce enteric methane emissions from the cattle sector, specifically cow-calf operations, feedlot, and dairy.

What is enteric methane?

- Enteric fermentation happens when livestock like cattle, goats, and sheep **breakdown their food in the digestive track**. This process produces methane and is released by the animal through its mouth.
- Did you know that this accounts for **86% of Canada's agricultural methane emissions**?
- Methane is a potent greenhouse gas that is **25 times more powerful than carbon dioxide** over a 100-year time period.

Who can apply?

- Farmers
- Ranchers
- Scientists
- Researchers
- Businesses
- Associations
- Non-profit organizations
- International innovators who can legally test, pilot, demonstrate, and deploy their solutions in Canada.
- Indigenous peoples, women, youth, racialized groups, and individuals with disabilities are strongly encouraged to apply.

Applications will be accepted until February 7, 2024



Prizes Available

Up to **20 prizes** of up to **\$250,000** open to all eligible applicants participating in stage 1.

Up to **10 prizes** of up to **\$500,000** open to all semi-finalists participating in stage 2.

Up to **2 prizes** of up to **\$1M** open to all finalists participating in stage 3.

All semi-finalists and finalists will also benefit from **non-financial support** such as **mentorship** and **training opportunities**.



Lowering methane emissions is critical to fighting climate change and its impacts, such as increased wildfires, more severe storms and increased drought. That is why AAFC has designed the Agricultural Methane Reduction Challenge in collaboration with the sector to spur innovation, create more economic opportunities, while reducing emissions and protecting the environment.

The sector is taking action and the Agricultural Methane Reduction Challenge is designed to support and accelerate these efforts.

Canadian cattle producers have a reputation for delivering both **high-quality beef and dairy** while making commitments to environmental sustainability goals.

The sector is already taking steps to improve animal health, feed efficiency and pasture management practices that contribute to reductions in methane emissions while delivering other environmental benefits.



What are some potential innovation areas?

- Feed additives, precision feeding technology, improved forage quality, novel feed additives.
- Improved pasture and grazing management practices.
- Improved cattle management, animal health or breeding practices.
- And others!



Key Dates

1A STAGE 1A CONCEPT APPLICATION

Application deadline:
February 7, 2024

Results:
Spring 2024

1B STAGE 1B PROTOTYPE DEVELOPMENT

Technical review ends:
Early 2025

Results:
Spring 2025

2 STAGE 2 TESTING AND MEASUREMENT

**Application deadline
for semi-finalists:**
Early 2026

Results:
Spring 2026

3 STAGE 3 GROW AND SCALE

**Application deadline
for finalists:**
Fall 2027

**Grand Prize winners
announced:**
Spring 2028

**Do you have
what it takes?**

Learn more and
apply through
Impact Canada

✉ aafo.amrc-drma.aac@agr.gc.ca
☎ 1-877-246-4682

