

# ANTIMICROBIAL USE/ANTIMICROBIAL RESISTANCE SURVEILLANCE IN FEEDLOT CATTLE IN CANADA

## Commitment to Antimicrobial Stewardship

- The Canadian beef industry and multiple other stakeholders are working with the **Canadian Integrated Program for Antimicrobial Resistance Surveillance** (CIPARS) to implement and maintain a national feedlot antimicrobial use (AMU) and resistance (AMR) surveillance program in Canada
- Collection of **high-quality data** over time will allow the feedlot industry to document **appropriate AMU**, determine if changes are necessary to **minimize AMR**, ensuring both animal and public health and welfare



## • AMU/AMR Surveillance in Canadian Feedlot Beef Cattle Project aims to:

- Provide representative estimates of AMU/AMR in the finishing feedlot sector
- Monitor AMU/AMR trends in feedlots over time
- Investigate associations between AMU and AMR on a targeted basis
- Provide participating feedlot producers and veterinarians with individualized data to support on-farm decision making

## How the Project Works

- Participating study feedlots:
  - Located in Alberta, Saskatchewan, and Ontario
  - Have >1000 animals destined for slaughter
  - Have a valid veterinary-client-patient relationship
- **Antimicrobial Use (AMU) data** comes from:
  - Antimicrobial dispensing data (from veterinarians)
  - Antimicrobial use data (from sentinel feedlots)
- **Antimicrobial Resistance (AMR) data** comes from:
  - Cattle fecal organisms
  - Cattle respiratory pathogens



## What's Next for the Project?



Continue to collect relevant surveillance data to understand AMU/AMR in feedlot cattle in Canada



Continue to provide data and information to a broad range of stakeholders



Learn more about different bacteria and their AMR patterns

ENHANCING ANTIMICROBIAL STEWARDSHIP IN THE CANADIAN BEEF INDUSTRY THROUGH COLLABORATION AND LEADERSHIP



**QUESTIONS?  
EMAIL US!**

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[CANADIAN INTEGRATED PROGRAM FOR ANTIMICROBIAL RESISTANCE SURVEILLANCE \(CIPARS\) WEBSITE](#)



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