CAHSS PODCAST PEARLS

"ANTIMICROBIAL STEWARDSHIP AND SURVEILLANCE ON CANADIAN DAIRIES"

WITH DRS. JAVIER SANCHEZ & LUKE HEIDER

ANIMAL HEALTH INSIGHTS

The **Canadian Dairy Network for Antimicrobial Stewardship and Resistance** (CadNetASR) was created with input from experts, producers and veterinarians across Canada, and will provide valuable information to improve herd health and public health in the years to come.

Listen to this episode here. Our other podcast episodes are found here.

What is an Antimicrobial?

Antimicrobials are drugs that include antibiotics, antifungals, and parasiticides that are used to prevent and treat infections in animals.

What is Antimicrobial Resistance?

Antimicrobial resistance (AMR) happens when microbes, such as bacteria, have evolved so that antimicrobials are not able to control or kill them.

What is CadNetASR?

The goal of the **Canadian Dairy Network for Antimicrobial Stewardship and Resistance** (CaDNetASR) is to establish a **sustainable, on-farm, surveillance system** to measure antimicrobial use and the effectiveness of antimicrobial stewardship protocols and programs.

How does CaDNetASR work?

A strength of the CIPARS program is the strong on-farm component to collecting data. On each farm, there are 3 components to CaDNetASR:

- Check for presence of antimicrobial resistance on the farm by sampling multiple age groups of animals and the environment.
- Check for antimicrobial use on the farm by recording total quantity of antimicrobials used.
- Check management style & demographics of the farm, including biosecurity measures, production type, herd immunity, among others.

Who's Involved?

CaDNetASR is a collaboration between Canada's five veterinary colleges, the Memorial University of Newfoundland, and the Canadian Integrated Program for Antimicrobial Resistance Surveillance (CIPARS).

Links of Interest

Visit our podcast page to access links related to CaDNetASR.