

# New tools to improve parasite management

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# Why?

- Anthelmintic resistance is common in Quebec sheep flocks.
- As shown in our project :
  - ✓ Cost, time-consuming practices and lack of technical transfer were considered by the sheep farmers as the main limiting factors for the implementation of integrated parasite management (IPM).
  - ✓ Surveyed veterinary practitioners and farm advisers were doubtful about the sheep producers intention and capacity to carry out the shift toward IPM.

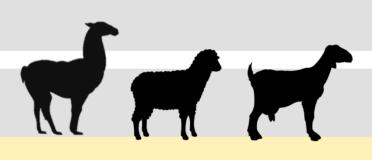
## What?

- Factsheets and videos were produced to facilitate the transfer related to these new concepts and techniques, namely:
  - ✓ Refugia
  - Resistance
  - Monitoring (coprological and clinical)
  - Targeted selective treatment
  - ✓ Pasture management
- An industry/academics/government initiative on IPM through the Programme intégré en santé animale du Québec (PISAQ)

# How?

- √ 3 visits delivered by the veterinary practitioners
- ✓ At no cost for sheep, goat, and camelids farmers

The veterinarian is a cornerstone of this paradigm shift



#### **Awareness raising** 2 hours

To explain IPM concepts and best practices with the help of factsheets and demonstrations

### **Action planning**

1½ hour

To establish an action plan for the specific situation of the farm

### **Interpreting lab** results

1 hour

about targeted

The **PISAQ** initiative is financed by **MAPAQ** 

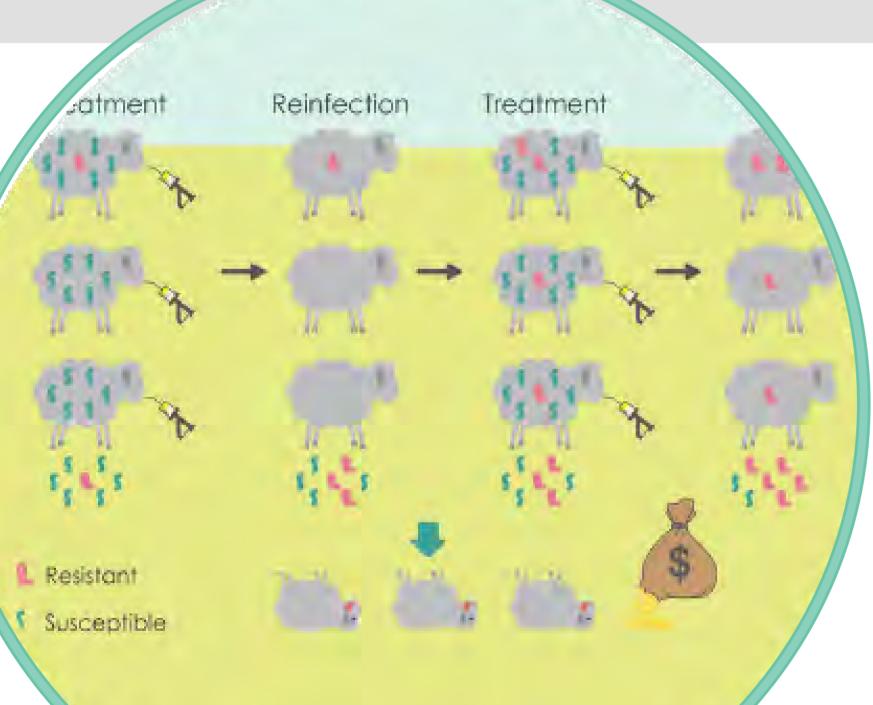
To interpret the lab results and advise selective treatment

#### Free coprological analysis:

Wisconsin Fecal egg count: 4 x 3 pools per year

Fluorescence-based Haemonchus contortus quantification: 1 x per year

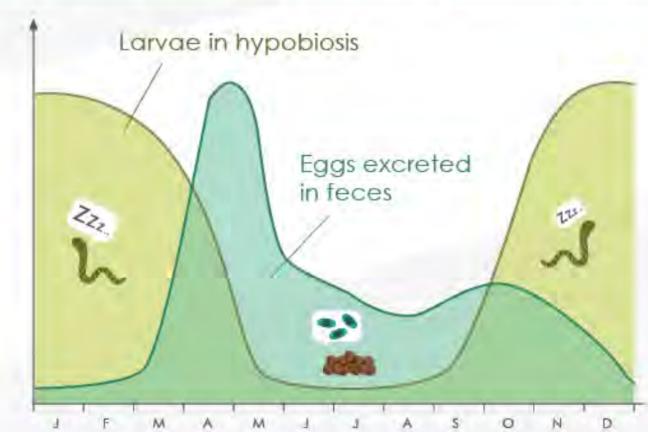




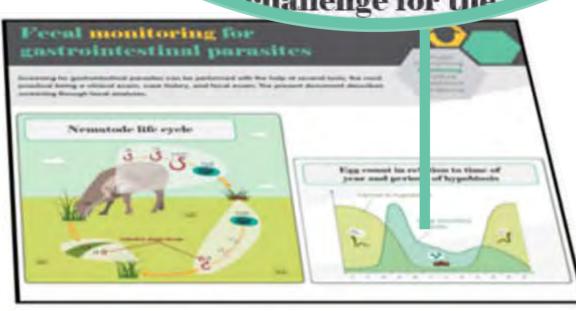
at of parasitism

Egg count in relation to time of year and periods of hypobiosis

an will intrepret these results in II.



biosis: an advantage for the challenge for the



Where? Documents and information are available only





