



Agriculture and  
Agri-Food Canada

Agriculture et  
Agroalimentaire Canada



## KAPUSKASING RESEARCH FARM

P.O. Box 160  
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### DAIRY AND SWINE RESEARCH AND DEVELOPMENT CENTRE

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*research*

Agriculture and Agri-Food Canada (AAFC) supports Canadian farmers and the advancement of science in the fields of agriculture and agri-food through each of its 19 research centres across the country. The Kapuskasing Research Farm in Ontario is managed by the Dairy and Swine Research and Development Centre located in Quebec. In the course of its 80 years of existence, its research has led to scientific innovations benefiting the agricultural industry in several specialized fields: feed production and use, cereal production and horticultural crop production in a northern climate, as well as cattle breeding and health.

For some 10 years now, the Kapuskasing Research Farm has been conducting advanced research that is unique in Canada on beef production in a northern zone.

### RESEARCH TEAMS ASSOCIATED WITH THE KAPUSKASING RESEARCH FARM

- Research professional in Rouyn Noranda
  - » Carole Lafrenière, Agr. Ph.D. – carole.lafreniere@agr.gc.ca
- Research professionals at the Research Centre in Sherbrooke
  - » Robert Berthiaume, Agr. Ph.D., robert.berthiaume@agr.gc.ca
  - » Christiane Girard, Agr. Ph.D., christiane.girard@agr.gc.ca
  - » Luigi Faucitano, Ph.D., luigi.faucitano@agr.gc.ca
  - » Daniel Massé, ing. Ph.D., daniel.masse@agr.gc.ca
- Research professionals at the Research Centre in Saint-Hyacinthe
  - » Jacinthe Fortin, M. Sc., jacinthe.fortin@agr.gc.ca
  - » Claude Gariépy, Ph.D., claud.gariepy@agr.gc.ca
- Qualified research technicians

### MAIN SCIENTIFIC RESEARCH PARTNERS

- » Ira Mandel, Ph.D., Université de Guelph
- » Steve Miller, Ph.D., Université de Guelph
- » Yvan Chouinard, Ph.D., Université Laval
- » Pascal Drouin, Ph. D., Université du Québec en Abitibi-Témiscamingue
- » Pierre Rivard, ing. Agr., M. Sc., Université du Québec en Abitibi-Témiscamingue



This research will help producers, processors and Canadian consumers by looking for ways to:

- Reduce production costs;
- Reduce the environmental impacts of production; and
- Increase the value of the products through differentiation (taste, nutritional content, eco-labelling, ethics, etc.) to meet consumer needs.

#### MAIN RESEARCH TOPICS

- Feed production and conservation; Feed use by cattle;
- Herd management;
- Meat quality;
- Agroenvironment;
- Grazing.

#### SPECIALIZED EQUIPMENT AND RESOURCES

- Herd of 250 butcher cattle;
- Automated manger systems making it possible to measure ingestion rates;
- Metabolic stalls making it possible to measure digestibility and nitrogen balance;
- Ultrasound device to estimate body composition and determine gestation and the presence of *corpora lutea* and follicles on ovaries.



Stack silo or heap silo: economical method for conservation of fodder for beef in northern region (AAFC innovation)



Self-propelled mower conditioner (AAFC innovation)



Grazing 'Angus' crossbred cow



Early 1900's typical building at Kapuskasing



Grazing cattle behind removable electric fence



'Angus' crossbred cows and calves

