



# Western Canadian Dairy Seminar

## March 8 – 11, 2011

### Red Deer, Alberta

## Facing the Challenges of Modern Dairying

### Tuesday, March 8

#### **10:00 a.m. – 4:00 p.m. Pre-Conference Tour**

This tour will visit three local dairy farms with the focus on progressive, innovative dairy managers.

#### **10:00 a.m. – 4:30 p.m. Pre-Conference Workshop**

**for Industry Nutritionists: “Cow Signals” Facilitators:** Jack Rodenburg, DairyLogix Consulting; Dan McDermid, DairySMART Management; Norm Machell, Merial Canada (Max 30)

#### **8:30 a.m. – 11:30 am. Pre-Conference Workshop**

**for Producers: “Lame Cow Treatment Tips”.** **Facilitator:** Gerard Cramer, Cramer Mobile Bovine Veterinary Services (Max 15)

#### **1:30 p.m. – 4:30 pm. Pre-Conference Workshop**

**for Producers: “Lame Cow Treatment Tips”.** **Facilitator:** Gerard Cramer, Cramer Mobile Bovine Veterinary Services (Max 15)

6:00 p.m. - 9:00 p.m. **Registration**

8:00 p.m. - 10:00 p.m. **Wine and Cheese Reception**

### Wednesday, March 9

#### **Morning Plenary Session**

8:30 Welcome and Conference Overview

#### **Session I. Consumer and Producer Realities**

8:50 *Dairy products and human health* - **Bruce German, University of California - Davis**

9:30 *Feeding the cow for healthy milk fat composition* - **Adam Lock, Michigan State University**

10:10 Nutrition Break

10:40 *Should animal welfare policy be influenced by consumer perceptions and beliefs* – **Candace Croney, The Ohio State University**

11:20 *Antimicrobial resistance and the use of antibiotics in the dairy industry* – **John Barlow, University of Vermont**

12:00 **Panel - all speakers**

12:20 **Lunch**

#### **Afternoon Concurrent Sessions**

#### **Session II. Health Management**

1:50 *Using cow behaviour to predict disease* – **Marina Von Keyserlingk, University of British Columbia**

2:30 *Johne's disease control programs* – **Ann Godkin, Ontario Ministry of Agriculture Food & Rural Affairs**

3:10 Nutrition Break

3:40 *On-farm mastitis culturing* – **Greg Keefe, University of Prince Edward Island**

4:20 *Practical strategies to improve hoof health* – **Gerard Cramer, Cramer Mobile Bovine Veterinary Services, Stratford, ON**

5:00 **Panel - all speakers**

#### **Session III. Optimizing Feeding Efficiency**

1:50 *Back to a traditional approach: reevaluating the use of a single dry cow diet* – **Jim Drackley, University of Illinois - Champagne**

2:30 *Using starch digestibility information in ration balancing* – **Charlie Sniffen, Fencrest, LLC**

3:10 Nutrition Break

3:40 *Focus on efficiency: coordinating dietary starch and protein utilization in the rumen* - **Tim Mutsvangwa, University of Saskatchewan**

4:20 *Focus on efficiency: maintaining milk yield while lowering dietary protein content* – **Larry Chase, Cornell University**

5:00 **Panel - all speakers**

Thursday, March 10

## Morning Plenary Session

### Session IV. Environmental Impact of Dairying

- 8:30 *The relationship between cow production and environmental impact* – **Jude Capper, Washington State University**
- 9:10 *The environmental impact of fertility in dairy cows* - **Phil Garnsworthy, University of Nottingham**
- 9:50 Nutrition Break
- 10:20 *Nutrient management factors that limit profitability and negatively impact the environment* - **Joe Harrison, Washington State University**
- 11:00 *Implementing waste solutions for dairy farms* – **Katharine Knowlton, Virginia Tech**
- 11:40 **Panel - all speakers**
- 12:00 **Lunch**

## Afternoon Concurrent Sessions

### Session V. Strategies to Improve Reproductive Performance

- 1:30 *Strategies for success in heat detection and artificial insemination* – **Joe Dalton, University of Idaho**
- 2:10 *Reproductive management in heifers* – **Carlos Risco, University of Florida**
- 2:50 Nutrition Break
- 3:20 *From cows to oocytes: ultrasound imaging of reproductive events in cows* - **Gregg Adams, University of Saskatchewan**
- 4:00 *Postpartum uterine diseases: prevalence, impacts, and treatments* - **Jocelyn Dubuc, Université de Montréal**
- 4:40 **Panel - all speakers**

### Session VI. Minerals for a Healthy Herd

- 1:30 *Trace minerals in the dry period to boost immunity of the cow and calf* – **Jim Linn, University of Minnesota**
- 2:10 *Role of mineral and vitamin status on health of cows and calves* – **Jerry Spears, North Carolina State University**
- 2:50 Nutrition break
- 3:20 *Strategies to reduce phosphorus excretion from dairy farms* – **Katharine Knowlton, Virginia Tech**
- 4:00 *Potassium in the early lactation dairy cow and its impact on milk and milk fat production* - **Joe Harrison, Washington State University**
- 4:40 **Panel - all speakers**

Friday, March 11

## Morning Plenary Session

### Session VII. Strategies to Improve your Bottom Line

- 8:30 *A timeline approach from calving to the end of voluntary waiting period to increase pregnancy rate* – **Carlos Risco, University of Florida**
- 9:10 *Alberta Johne's Disease Initiative* – **Gerald Ollis, Alberta Johne's Disease Initiative**
- 9:50 Nutrition Break
- 10:20 *The cost of increasing farm biosecurity: who benefits, who pays?* - **TBA**
- 11:00 *The impact of forage use and quality on economic returns of Canadian dairy farms* – **Edith Charbonneau, Université Laval**
- 11:40 **Panel - all speakers**
- 12:00 **Closing**