

14th ADSA Discover Conference on Food Animal Agriculture:
Lipids for Dairy Cattle: Today's Issues, Tomorrow's Challenges

May 18-21, 2008
Brown County Inn, Nashville, IN

Sponsored by American Dairy Science Association

Conference Schedule

Sunday, May 18, 2008

4:00 PM Registration
6:00 PM Reception and Dinner
Welcome *Dr. Larry Miller, Discover Conference Series*
Dr. Adam Lock, University of Vermont, Burlington
Dr. Tom Jenkins, Clemson University, Clemson
Historical perspective and conference goals - *Dr. Don Palmquist, Ohio Agricultural Research and Development Center, OSU, Wooster*

Monday, May 19, 2008

Morning Session I

Moderator – Dr. Al Kertz, ANDHIL LLC, St. Louis, MO

8:00 – 9:30 AM Introductory Comments – *Dr. Al Kertz, ANDHIL LLC, St. Louis, MO*
An Industry Perspective of the Issues and Concerns of Feeding Fat – Industry Panel
Open discussion and questions
9:30 AM Break
10:00 – 12:15 Key Issues Related to Fat Analysis – *Dr. Jana Kraft, University of Vermont, Burlington*
Fat Effects on Feed Intake – *Dr. Mike Allen, Michigan State University, East Lansing*
Open discussion and questions
12:15 PM Lunch

Afternoon Session II

Moderator – Dr. Don Palmquist, Ohio Agricultural Research and Development Center, OSU, Wooster

1:30 – 3:30 PM Describing and Controlling Biohydrogenation – *Dr. Tom Jenkins, Clemson University*
Our Best Estimates of Fat Digestibility – *Dr. Edward DePeters, University of California-Davis*
Open discussion and questions
3:30 PM Adjourn for the day (informal discussions/recreation)

Tuesday, May 20, 2008

Morning Session III

Moderator – Dr. Dale Bauman, Cornell University, Ithaca

8:00 – 9:20 AM Liver Lipid Metabolism and Animal Performance – *Dr. Jim Drackley, University of Illinois, Urbana*
Mammary Metabolism and the Biology of Fat Synthesis – *Dr. Dale Bauman, Cornell University, Ithaca*
9:20 AM Break
9:50 – 11:30 AM Understanding the Causes of Milk Fat Depression – *Dr. Adam Lock, University of Vermont, Burlington*
Open discussion and questions
11:30 AM Lunch

Afternoon Session IV

Moderator – Dr. Jim Drackley, University of Illinois, Urbana

1:00 – 3:00 PM Exploring the Links Between Fat and Reproduction – *Dr. Charlie Staples, University of Florida, Gainesville*
Molecular Opportunities in Dairy Lipid Metabolism – *Dr. Randy Baldwin, USDA-ARS, Beltsville, MD*
Open discussion and questions (panel?)
3:00 PM Adjourn for the afternoon (informal discussions/recreation)

Evening Session V

6:30 PM Ice Cream Social
7:00 – 9:00 PM Evening discussions/workshops – concurrent?

- 1) Troubleshooting milk fat depression on farm – *Dr. Jerry Mechor (Leader) Elanco Animal Health, Orchard Park, NY*
- 2) Other topics as suggested by conference participants?
- 3) Open discussion and questions for all participants ?

Wednesday, May 21, 2008

Morning Session VI

Moderator – Dr. Veerle Fievez, Ghent University, Belgium

- 8:00 – 9:45 AM Challenges of Building a Workable Lipid Model – *Dr. John Newbold, Provimi Research and Innovation Centre, Brussels, Belgium*
 Breakout Groups – What are the main issues/challenges in dairy lipid nutrition?
 Fatty acid intake and digestion - *Dr. Mike Allen (Leader), Michigan State University, East Lansing*
 Tissue metabolism/reproduction – *Dr. Charlie Staples (Leader), University of Florida, Gainesville*
 Animal performance/industry needs – *Jim Barmore (Leader), Five-Star Dairy Consulting, LLC, Verona, WI*
 Modifying milk fat composition – *Dr. Cindie Luhman (Leader), Land O'Lakes/Purina Feed Longview Animal Nutrition Center, Gray Summit, MO*
- 9:45 AM Break
- 10:00 – 12:15 Discussion of issues/challenges from Breakout Groups – *Dr. John Newbold, Provimi Research and Innovation Centre, Brussels, Belgium*
 Open discussion and questions
 Milk Fat and Human Health: Opportunities and Challenges — *Dr. Andrew Salter, University of Nottingham, UK*
 Wrap up of key points and future avenues for research and applied opportunities – *Dr. Adam Lock, University of Vermont, Burlington and Dr. John Newbold, Provimi Research and Innovation Centre, Brussels, Belgium*
- 12:15 PM Adjourn conference