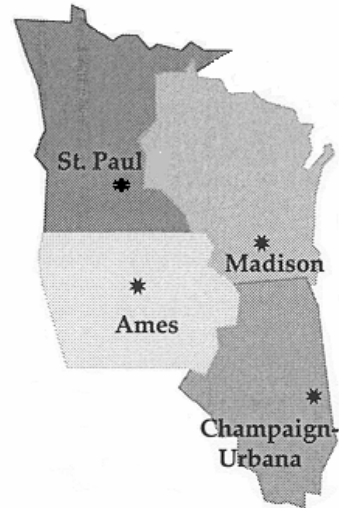


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4-State Dairy Nutrition & Management Conference June 13 & 14, 2007



Sponsored by:

Iowa State University-Extension
University of Illinois-Extension
University of Minnesota-Extension
University of Wisconsin-Extension
and

Platinum Co-Sponsors

Agri-King, Inc.
Balchem Corporation
Monsanto Dairy Business

4-State Dairy Nutrition & Management Conference Program

Wednesday, June 13, 2007

7:30 AM Registration (at Grand River Center)

**Pre-Conference Technical Symposium
sponsored by Monsanto**

8:00 AM - Noon

Monsanto Introductions

Brian Crooker, Univ. of Minnesota

Energy balance of the periparturient dairy cow

Mike Overton, Univ. of Georgia

Energy balance issues in dairy cattle reproduction

Lance Baumgard, Univ. of Arizona

The effects of heat stress on energy balance and metabolism

Monsanto Research Briefs – Monsanto
Technical Services / R&D

Noon - 1:00 PM

Lunch sponsored by Monsanto

1:00 - 1:30 PM

Visit Conference Exhibitors

**4-State Dairy Nutrition & Management
Conference**

Plenary Session I

1:30-2:30 PM

Jim Drackley, Univ. of Illinois

Rethinking energy for dry cows

2:30-3:30 PM

Charlie Staples, Univ. of Florida

Fatty acids and reproduction

3:30-4:00 PM

Break

Breakout Session I

6 Topics 2x: 4:00 – 4:30 & 4:40 – 5:10 PM

Leo Timms, Iowa State Univ.

Nutrition and mastitis: food for thought!

Jeff Reneau, Univ. of Minnesota

Trouble Shooting Herd Nutrition and Health with Control Charts

Jim Drackley, Univ. of Illinois,

The Midwest Dairy Consortium: Partnering for Progress

Charlie Staples, Univ. of Florida

Q&A on dietary fat and protein effects on reproduction

Lance Baumgard, Univ. of Arizona

Facts and myths about the effects of milk fatty acids on human health

Mike Overton, Univ. of Georgia

Economic Considerations of Sexed Semen in Dairy Cattle

Seminar & River Boat Reception

Sponsored by Reashure®

Encapsulated Choline (Balchem Corp)

Seminar 5:30-6:00 PM

Reception 6:15-8:00 PM (attendance at seminar required for admission onto the boat)

Thursday, June 14, 2007

7:00 - 8:00 AM

Breakfast and Seminar sponsored by

Agri-King Inc.

7:00-8:00 AM **Dave Casper**, Agri-King Inc.

Laboratory Measurements of Forage Quality

8:00 - 8:30 AM **Visit Exhibitors**

Plenary Session II

8:30 - 9:15 AM

Adam Lock, Univ. of Vermont

Dietary Component and Rumen Environment Interactions on Milk Fat

9:15-10:00 AM

Lou Armentano, UW-Madison

Dietary effective fiber, particle length and sorting

10:00-10:30 AM **Break**

Wisconsin Agri-Service Association
6000 Gisholt Drive Suite 208
Madison WI 53713-4816

**IMPORTANT REGISTRATION
MATERIALS ENCLOSED!**

Thursday, June 14, 2007

Breakout Session II

6 Topics 2x; 10:30 - 11:00 & 11:10 - 11:40 AM

Fred Owens, Pioneer, a Dupont Company
Getting the most out of your dry and high-moisture corn
Lou Armentano, UW-Madison
Corn ethanol byproducts—Present and future?
Joe Harrison, Washington State Univ.
What is the National Feed Management Project all about?

Dave Byers, Virginia-based consultant,
Practically Dropping Protein of Diets to Reduce Nitrogen Excretion

Mike Hutjens, Univ. of Illinois
Making starch work in the rumen

Mike Tassoul, UW-Madison
Field comparison of commercially-available lab tests for starch digestibility

Adjourn Conference (11:45 AM)

12:00-3:00 PM

Post-Conference Workshop

Five post-conference workshops will be offered as described on the enclosed insert. Limited enrollment will be accepted per workshop. If less than 10 individuals sign up for a single workshop, it will be canceled and refunds of the workshop fee will be made to those registrants.

Participants will be accepted on first-come, first-registered basis. Participant cost is \$50.00 per person, in addition to the conference fee. Box lunch to be provided.

Sign up and payment are required at the time of registration.

Location

The conference will be held at the:

Grand River Center
500 Bell Street
Dubuque, Iowa 52001
(563) 690-4500

Lodging

A block of rooms have been reserved at these area facilities.

Grand Harbor Resort

350 Bell St., Dubuque, IA
(866) 690-4006
Room rate \$82 for a standard room,
cut off date **May 19.**

Be sure to mention you are attending the **4-State Dairy** to receive the group rate.

Holiday Inn Dubuque

450 Main St., Dubuque, IA
(563) 556-2000
Room rate \$70 for a single or double,
cut off date **May 13.**

Be sure to mention **4-State Dairy** to receive the group rate.

Program Information Contact

Mike Hutjens

University of Illinois
(217) 333-2928

Lee Kilmer

Iowa State University
(515) 294-6021

Jim Linn

University of Minnesota
(612) 624-1205

Randy Shaver

University of Wisconsin-Madison
(608) 263-3491

Registration Information

Registration Fee: \$125 before June 1
\$150 after June 1 and at the door

Includes registration, conference proceedings, listed meals and breaks.
Please advise us at the time of registration if you need special accommodations. Requests will be kept confidential.

Cancellations/Refunds

To receive a **full refund**, you must contact the Wisconsin Agri-Service Association by **June 7, 2007**. After that date, a \$25 cancellation fee will be charged. If you **fail to cancel, no refund** will be granted.

Registration Information Contact

Wisconsin Agri-Service Association
6000 Gisholt Drive, Suite 208
Madison, WI 53713-4816
Phone (608) 223-1111 Fax (608) 223-1147

Additional Co-Sponsors

Gold

Chr. Hansen, Inc.
Diamond V Mills
Mycogen Seeds
Pioneer, a Dupont Company

Silver

AgSource Cooperative Services
Alltech West Central SoyPLUS/SoyChlor
Dairy Star Zinpro Performance Minerals
Dairyland Laboratories Inc.
Feed Supervisor Software
Gladwin A Read Co.
Intervet, Inc.
Lallemand Animal Nutrition
Lira Animal Health Products
Midland Bio Products Corp.
Midwest EnRG Flakes
MIN-AD, Inc.
Novus International, Inc.
Prince Agri-Products, Inc.
Rock River Laboratories
Roto-Mix LLC
Varied Industries, Corp. (Vi-Cor)

Bronze

Agri-Nutrition Consulting, Inc.
Papillon Agricultural Co.
Western Yeast Company

Registration

4-State Dairy Nutrition & Management Conference

June 13 & 14, 2007

Name as desired on badge (Print clearly or type)

Organization/Business

Mailing Address

City State Zip

Telephone during the day

Check box if planning to attend:

- Monsanto Technical Symposium**
- Balchem Evening Seminar**

Early Registration Fee by June 1 \$125
Late Registration Fee \$150
After June 12, please bring your registration to the conference Walk-in Registration Table.

Check box if planning to attend (Additional \$50 fee):

- Dairy Ration Formulation**
- Feed Management**
- Evaluating Bunkers and Bags**
- Investigation of Milk Quality Problems**
- DAIRY TRANS Financial Analysis**

Make checks payable to:

WASA or charge as indicated below.
____ VISA ____ MasterCard ____ Discover

Card # _____

Exp. Date _____

Signature _____

**Mail to: Wisconsin Agri-Service Association
6000 Gisholt Drive Suite 208
Madison WI 53713-4816**

or Fax: (608) 223-1147

Post-Conference Workshops

Workshop #1

Dave Byers & Mike Hutjens—Dairy Ration Formulation (Co-sponsored by DeGussa)

This ration formulation workshop will feature Amino Cow (developed by DeGussa) with Drs. Byers and Hutjens leading a hands-on approach. The software will be loaded on your computer (must have a laptop computer to participate) to be used in this fast paced approach to learning and using this Spartan-type program with a rumen model.

Workshop #2

Joe Harrison and Randy Shaver—Feed Management

The US Environmental Protection Agency (EPA) released new guidelines for Concentrated Animal Feeding Operations and Animal Feeding Operations (CAFO/AFO) IN 2003. Under the new guidelines, permitted CAFO/AFO's will be required to develop a Nutrient Management Plan (NMP). One form of a NMP is a Comprehensive Nutrient Management Plan (CNMP) as defined by the Natural Resources Conservation Service. Feed Management is one of the six core elements of a CNMP. This workshop is required for professionals desiring to take the ARPAS Exam for Certification in Feed Management by ARPAS in order to write feed management plans.

Workshop #3

Brian Holmes and Rich Muck--Evaluating Bunkers and Bags

Forage is a terrible thing to lose! There are many opportunities for producers to lose forage dry matter and feed value through the harvest and storage phases of silage production. This workshop will emphasize the procedures needed to make and preserve silage while minimizing those losses. Recommended practices for sizing storages and filling bunkers, piles and bags will be discussed. Recently developed spreadsheets will be distributed and used in this workshop setting. Bring your laptop computer to fully participate in this session.

Workshop #4

Pam Ruegg and David Rhoda—Investigation of Milk Quality Problems

This workshop will focus on developing skills to diagnose and solve milk quality problems on dairy farms. Data from real farms will be used to review key indicators of mastitis and the use and interpretation of diagnostic tools such as SCC trends, bulk tank & individual cow culture reports, evaluation of housing and milking hygiene, teat condition and bacterial quality of raw milk. The development of a clinical mastitis plan will be stressed.

Workshop #5

Larry Tranel--DAIRY TRANS Financial Analysis

This workshop will concentrate on developing a whole farm financial analysis. It is often observed that producers and/or consultants make serious financial decisions based on one or two components alone, like nutrition economics, without focusing on the whole farm approach. Sound financial analysis is key to operating a profitable dairy enterprise and this computerized tool simplifies the process while challenges producers through graphic benchmarking to improve profits.