Four-State Dairy Nutrition and Management Conference

June 15 & 16 - Dubuque, Iowa

Cooperative Extension for:
Iowa State University
University of Illinois
University of Minnesota
University of Wisconsin
Pre-conference Symposium

Wednesday, June 15, 2016
7:30 AM  Registration

Sponsored by Diamond V

8:00 - 11:30 AM

New Perspectives on the Control and Management of Salmonella and Related Enteric Pathogens, Dr. Steve Carlson - Iowa State University

Now That You’ve Heard the Science, How Do You Apply it to Your Practical Feeding Situations, Dr. Bill Sanchez - Diamond V

Immunology and the Diamond V Experience, Dr. Stuart Reeves - Diamond V

Dairy Producer Panel

11:30 AM - Lunch
Visit Conference Exhibitors

4-State Dairy Nutrition and Management Conference

Wednesday, June 15, 2016

General Session
Nutrition to Improve Performance and Cow Health

1:30 - 2:10 PM  Using uNDF to Predict Dairy Cow Performance and Design Rations
Dr. Dave Mertens - Mertens Innovations

2:10 - 2:50 PM  Leaky Gut’s Contribution to Inefficient Nutrient Utilization
Dr. Lance Baumgard - Iowa State University

2:50 - 3:30 PM  Revisiting Starch for Lactating Dairy Cows
Dr. Randy Shaver - University of Wisconsin

3:30 - 4:00 PM  Break
Visit Conference Exhibitors

Breakout Session I
6 Topics 2x; 4:00-4:30 & 4:40-5:10 PM

Room 1  What are the Advantages of Using aNDFOM?
Dr. Dave Mertens - Mertens Innovations

Room 2  A Review of Post-Absorptive Nutrient Partitioning
Dr. Lance Baumgard - Iowa State University

Room 3  Keeping Post-Weaned Heifers Growing Great
Dr. Tamilee Nennich - Famo Feeds

Room 4  Heifer Stocking Density and Performance
Dr. Wayne Coblentz - USDA Forage Research Center

Room 5  Automated Calf Feeders: What Makes Them Work?
Dr. Marcia Endres - University of Minnesota

Room 6  Forage Quality of Two Different Pasture Systems Incorporating Warm and Cool Season Forages for Grazing Organic Dairy Cattle
Dr. Brad Heins - University of Minnesota
4-State Dairy Nutrition and Management Conference

Thursday, June 16, 2016
7:00 - 8:00 AM  Breakfast
Sponsored by DuPont Pioneer

Starch Digestion Primer
Dr. Fred Owens - DuPont Pioneer Research Scientist

General Session
Nutrition to Improve Reproductive Performance
8:30 - 9:10 AM  Impact of Feeding Amino Acids on Reproduction
Dr. Phil Cardoso - University of Illinois

9:10 - 9:50 AM  Fertility Programs to Achieve High 21-d Pregnancy Rates in High-Producing Dairy Herds
Dr. Paul Fricke - University of Wisconsin

9:50 - 10:30 AM  Reproduction, How to Turn the Research Into a Breeding Program
Dr. Don Niles, DVM - Partner Dairy Dreams

10:30 - 11:00 AM Break - Visit Conference Exhibitors

Breakout Session II
6 Topics 2x; 11:00-11:30 & 11:35-12:05 PM
Room 1  Milk Urea Nitrogen (MUN) as a Nutritional and Environmental Management Tool
Dr. Michel Wattiaux - University of Wisconsin

Room 2  Including Ethanol Co-Products in Dairy Rations: A Moving Target
Dr. Hugo Ramirez - Iowa State University

Room 3  Finding Feeding Bottlenecks on the Farm
Dr. Mike Hutjens - University of Illinois

Room 4  Ruminating on Cow Behavior Monitors: A real Time Look
Dr. Leo Timms/Dr. Ryan Breuer - Iowa State University

Room 5  Forage Value of Cover Crops
Jim Paulson - University of Minnesota

Room 6  Harvesting Solutions for Outstanding Corn Silage!
Tim Meister - John Deere

Conference Concludes

Post-conference Symposium

Thursday, June 16, 2016
Sponsored by Balchem

12:50 - 1:30 PM  Breeding for Milk Protein
Keith Gibson - Select Sires

1:30 - 2:15 PM  Feeding for Milk Protein
Dr. Mike Van Amburgh, Cornell University

2:15 - 3:00 PM  The Future of Milk Protein as a Functional Food
Dr. John Lucey - University of Wisconsin

3:00 - 3:45 PM  The Economics of Milk Protein
Dr. Greg Bethard - Pagel’s Ponderosa & Dairy Dreams

Mark Your Calendar for Future Dates of the 4-State Conference

June 14-15, 2017
June 13-14, 2018
## Location

The conference will be held at the:

**Grand River Center**  
500 Bell Street  
Dubuque, Iowa 52001  
(563) 690-4006

## Lodging

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

**Grand Harbor Resort**  
350 Bell St., Dubuque, IA  
(866) 690-4006

Single room rate $99 + taxes; Double room rate $110 + taxes. Cut off date May 15. Be sure to mention 4-State Dairy to receive the group rate.

This hotel will sell out, so register now.

**Holiday Inn Dubuque**  
450 Main St., Dubuque, IA  
(563) 556-2000

Room rate: $99 + taxes for a single or double. Cut off date May 14. Be sure to mention 4-State Dairy Conference to receive the group rate.

## Program Information Contacts

<table>
<thead>
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## Registration Information

**Registration Fee:**  
- $150 before June 1  
- $175 after June 1 and at the door

Includes: registration, conference proceedings, listed meals and breaks.

**Cancellations/Refunds**  
To receive a full refund, you must contact the Wisconsin Agri-Business Association by June 1, 2016. After that date, a $25 cancellation fee will be charged. If you fail to cancel, no refund will be granted.

Registration questions, please contact WABA at 608-223-1111

## Sponsors

### Platinum

- Diamond V  
- DuPont Pioneer  
- Balchem

### Gold

- Adisseo  
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- Chr. Hansen, Inc.  
- Dairyland Laboratories  
- Digi-Star

- John Deere Olathe  
- Kemin Industries  
- Phibro Animal Health Corporation  
- QualiTech, Inc.

### Silver

- Ajinomoto Heartland Inc.  
- Alltech  
- Arm & Hammer Animal Nutrition  
- BioZyme Inc.  
- Cottonseed LLC  
- DairyOne  
- Dairy Nutrition Plus (SoyPLUS/SoyChlor)  
- Enz-A-Bac Advanced Products  
- Fermented Nutrition  
- Innovative Additives, Inc.  
- Jefo

- Lallemand Animal Nutrition  
- Micronutrients USA, LLC  
- Multimin USA  
- Novita Nutrition  
- Novus International  
- Oleofinos/Latomil  
- Papillon Agricultural Company  
- R&D LifeSciences  
- Rock River Laboratory  
- Zinpro Corp

### Bronze

- Milk Products  
- Perdue AgriBusiness LLC  
- Quality Liquid Feeds
Registration

4-State Dairy Nutrition & Management Conference
June 15 & 16, 2016

You may register up to 4 people per form, please list the primary contact first.

1. ____________________________________________________
   Name as desired on badge (Print clearly or type)       City/State
   Email

2. ____________________________________________________
   Name as desired on badge (Print clearly or type)       City/State
   Email

3.   ____________________________________________________
    Name as desired on badge (Print clearly or type)       City/State
    Email

4.   ____________________________________________________
    Name as desired on badge (Print clearly or type)       City/State
    Email

Organization/Company

Mailing Address

City State Zip

Daytime Telephone number

Email

Please check what you will be attending:

☐ Pre-Conference Symposium
☐ Post-Conference Symposium

Early Registration Fee by May 31 $150
Late Registration Fee $175

After June 6, please bring your registration to the conference Walk-in Registration Table.

You may register on-line at [wiagribusiness.org/store](http://wiagribusiness.org/store)

Make checks payable to: Wisconsin Agri-Business Assn. (WABA) or charge as indicated below.

Visa, MasterCard or Discover

Card #______________________________________________________
Exp. Date___________________________________________________
Name on Card:________________________________________________
Email:_______________________________________________________
Address:_____________________________________________________
City________________________________State_____Zip__________

Mail to: Wisconsin Agri-Business Assn.
2801 International Lane, Suite 105
Madison, WI 53704
or Fax: (608) 223-1147
or Email: denise@wiagribusiness.org

The Agenda can be seen online at either:
[http://z.umn.edu/4state](http://z.umn.edu/4state) or
[http://wiagribusiness.org/fourstate.html](http://wiagribusiness.org/fourstate.html)