Four-State Dairy Nutrition and Management Conference

June 14 & 15 - Dubuque, Iowa

Cooperative Extension for:
Iowa State University
University of Illinois
University of Minnesota
University of Wisconsin

2017
Pre-conference Symposium

Wednesday, June 14, 2017

7:30 AM  Registration  
*Sponsored by Quality Liquid Feeds*
Feeding and Managing a Herd for 35,000 lbs of Milk

8:00 - 11:30 AM

Short Chain Fatty Acid Content of Milk and the Relationship to Milk Fat and Milk Protein Yield on Commercial Dairy Farms.  
*Dr. David Barbano - Cornell University & Dr. Larry Jones - American Farm Products*

*Dr. Lance Baumgard - Iowa State University*

How Supplementing Methionine During the Transition Period Can Improve Metabolic Health, Boost ECM Yield and Enhance Reproduction.  
*Dr. Chuck Schwab - Schwab Consulting LLC*

Feeding and Managing a Herd for 100 Pounds of Milk/Day - Thinking Outside the Normal Paradigm. Factors That Influence Net Farm Income.  
*Dr. Stephen Emanuele - Quality Liquid Feeds*

11:30 AM - Lunch  
Visit Conference Exhibitors

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**4-State Dairy Nutrition and Management Conference**  
**Co-Sponsored by:**

[Logos of Iowa State University Extension and Outreach, University of Minnesota Extension, University of Wisconsin-Extension, and University of Illinois Extension]
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>1:30 - 2:10 PM</td>
<td>DCAD, It’s Not Just for Dry Cows</td>
<td>Dr. Richard Erdman</td>
<td>University of Maryland</td>
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<td>2:10 - 2:50 PM</td>
<td>Water for Dairy Production: Where Does it Go and Why Does Quality Matter?</td>
<td>Dr Paul Kononoff</td>
<td>University of Nebraska</td>
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<td>2:50 - 3:30 PM</td>
<td>Does Sampling the TMR Have Value?</td>
<td>Dr. Bill Weiss</td>
<td>Ohio State University</td>
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<td>3:30 - 4:00 PM</td>
<td>Break</td>
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<td>Visit Conference Exhibitors</td>
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<tr>
<td>Breakout Session I</td>
<td>6 Topics 2x; 4:00-4:30 &amp; 4:40-5:10 PM</td>
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<tr>
<td>Room 1</td>
<td>Don’t Forget the Strong Ions: Sodium, Potassium, and Chloride</td>
<td>Dr. Richard Erdman</td>
<td>University of Maryland</td>
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<td>Room 2</td>
<td>Cows Can Eat Everything from Soup to Nuts But Can We Feed By-products with Confidence?</td>
<td>Dr. Paul Kononoff</td>
<td>University of Nebraska</td>
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<tr>
<td>Room 3</td>
<td>Incorporating Pen and Feed Variation in Diet Formulation</td>
<td>Dr. Bill Weiss</td>
<td>Ohio State University</td>
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<td>Room 4</td>
<td>Are All Clays Created Equal? Clay Utilization in Diets for Dairy Cows</td>
<td>Dr. Phil Cardoso</td>
<td>University of Illinois</td>
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<td>Room 5</td>
<td>Amino acids; Roles Beyond Being the Precursors for Protein Synthesis</td>
<td>Dr. Ranga Appuhamy</td>
<td>Iowa State University</td>
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<td>Room 6</td>
<td>Feeding Strategies and Economic Returns in Robotic Milking Systems</td>
<td>Dr. Victor Cabrera</td>
<td>University of Wisconsin</td>
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Thursday, June 15, 2017

7:00 - 8:00 AM  Breakfast  
Sponsored by Milk Specialties

General Session  
Improving Cow Foot and Herd Health

8:30 - 9:10 AM  Bedding Choice, Udder Health and Productivity on Larger Wisconsin Dairy Farms  
Dr. Pamela Ruegg - University of Wisconsin

9:10 - 9:50 AM  A Lesion Oriented, Life Cycle Approach to Preventing Lameness in Dairy Herds  
Dr. Nigel Cook - University of Wisconsin

9:50 - 10:30 AM  The Fundamentals For Good Hoof Health  
Karl Burgi - Dairyland Hoof Care Institute, Inc.

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  Mycotoxins in Dairy Cattle: Who, What and Why  
Dr. Hugo Ramirez - Iowa State University

Room 2  Potential of Sorghum Forages for Dairy Heifers in the Midwest  
Dr. Matt Akins - University of Wisconsin

Room 3  Producing More Milk Using More High-Quality Forages  
Dr. Randy Shaver - University of Wisconsin

Room 4  Feeding and Management on Top Producing Dairy Herds in Minnesota  
Dr. Marcia Endres - University of Minnesota

Room 5  How do we Ventilate the Dairy Barn?  
Dr. Nigel Cook - University of Wisconsin

Room 6  Feeding to Minimize Lameness  
Dr. Mike Hutjens - University of Illinois
Thursday, June 15, 2017

Sponsored by Mycogen Seed
Innovation in Forage Evaluation – Why Should You Care?

12:30 - 1:30 PM  uNDF and the Synchrony of Intake, Rumen Health, and Microbial Production in Dairy Cow Diets
                 Dr. Barry Bradford - Kansas State University

1:30 - 2:30 PM  Moving Forward with Silage Hybrid Evaluation
                 Dr. Greg Roth - Penn State University

2:30 - 2:45 PM  Using CornPicker: Economics Rule in Selection of Silage Hybrids
                 Dr. Kathleen Emery, DVM - Mycogen Seeds

Conference Concludes

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

June 13-14, 2018
The conference will be held at the:

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

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 13. 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: $104 + taxes for a single or double. Cut off date May 14. Be sure to mention 4-State Dairy Conference to receive the group rate.

Dr. Phil Cardoso, Univ. of Illinois  
cardoso2@illinois.edu  
(217) 300-2303

Dr. Larry Tranel, Iowa State Univ.  
tranel@iastate.edu  
(563) 583-6496

Jim Salfer, Univ. of Minnesota  
salfe001@umn.edu  
(320) 203-6093

Dr. Randy Shaver, Univ. of Wisconsin  
rdshaver@wisc.edu  
(608) 263-3491
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, 2017. 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

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Milk Specialties Global
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ADM Animal Nutrition
Ag Processing, Inc.
Balchem Corporation
Chr. Hansen, Inc.
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Virtus Nutrition
Westway Feed Products

Silver
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Ajinomoto Heartland, Inc.
Alltech
ARPAS
BioZyme, Inc
Dairy Nutrition Plus
Enz-a-Bac
Greenfield Contractors
Innovative Additives, Inc.

Lallemand Animal Nutrition
LignoTech USA
Novita Nutrition
Olmix
Origination
Rock River Laboratory
SoyBest
Topcon Agriculture
Zinpro Corporation

Bronze
Agri Nutrition Consulting
Alfores Seeds
Canola Council of Canada

Elanco Animal Health
Trouw Nutrition USA
### Registration

#### 4-State Dairy Nutrition & Management Conference
**June 14 & 15, 2017**

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

<table>
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<td>1. Name as desired on badge (Print clearly or type)</td>
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**Organization/Company**

**Mailing Address**

City  State  Zip

**Daytime Telephone number**

Email
Registration

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 8, 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:_____________________________________________________
Billing Address of Card:________________________________________
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 or](http://z.umn.edu/4state or)
[http://wiagribusiness.org/fourstate.html](http://wiagribusiness.org/fourstate.html)