General Information

The Tri-State Dairy Nutrition Conference is a 27-year collaborative effort between The Ohio State University, Michigan State University, and Purdue University and the allied dairy industry. In 2017, 537 individuals attended the conference.

For more information about the 2018 conference, contact: Dr. Maurice Eastridge at (614) 688-3059, The Ohio State University; Dr. Adam Lock at (517) 802-8124, Michigan State University; or Dr. Jackie Boerman at (765) 496-6290, Purdue University.

Information about the program is also available online at: http://tristatedairy.org.

Student Competitions

Students may present at the Conference for a chance to win cash awards. All graduate and undergraduate students participating that do not place will receive a monetary award of $100. Graduate students present their research, and the top students may receive awards totalling up to $2,250. Undergraduates can present their research or provide a thorough review of a nutritional topic; up to $1,200 may be distributed among the top presenters. Undergraduate and graduate students may attend the Conference for free, and lodging will be made available for students. Pre-registration is required.

The guidelines for contestants can be found on the website. Abstracts by graduate students for the contest are due by Friday, March 9, 2018 and will be printed in the proceedings of the Tri-State Dairy Nutrition Conference. For more information, contact: Dr. Adam Lock at allock@msu.edu.

Sponsorship Information

There are numerous opportunities for your company or business to gain visibility at the Tri-State Dairy Nutrition Conference. Opportunities include being an exhibitor, general sponsor, hospitality sponsor, supporting the student presentation competition, and more. If you are interested in learning more about these sponsorship opportunities, contact Dr. Herb Bucholtz for more information at (517) 230-0120 or bucholtz@msu.edu. Exhibitor deadline is March 2, 2018.

Conference Objectives

To disseminate current information on the feeding of dairy cattle, primarily to individuals who provide nutritional advice to dairy farmers.

Intended Audience

Feed industry personnel, nutrition consultants, Extension personnel, university students, veterinarians, and interested dairy producers.

Registration Fee

$175 per person, includes refreshments during breaks and hospitality reception, one breakfast, and one copy of the Tri-State Dairy Nutrition Conference Proceedings (online or paper). For details concerning registration discounts for groups of 5 or more ($160/person), contact Michelle Milligan at (614) 292-7374 or email: milligan.4@osu.edu. Registration deadline is March 30, 2018. The cost for late registrations is $205, so don’t delay!
Accommodations

Please make room reservations directly with area hotels. Participants are encouraged to check-in prior to the start of the Conference.

The preferred hotels are:

Hilton Fort Wayne at the Grand Wayne Center
1020 South Calhoun Street
P.O. Box 12049
Fort Wayne, IN 46802
(260) 420-1100

The Hilton Fort Wayne has a block of rooms reserved for the Conference. The rooms are $107 plus tax per night for single or double occupancy. Rooms at the Hilton must be reserved by March 23, 2018 by 3:00 p.m. EST to receive the discounted rate. Reservations can be made by calling 1-800-HILTONS. To reserve online: http://www.hilton.com/en/hi/groups/personalized/F/FWAFHHF-TRI-20180416/index.jhtml?WT.mc_id=POG

Courtyard by Marriott
(enclosed walkway to the Grand Wayne)
1150 South Harrison Street
Fort Wayne, IN 46802
1-800-228-9290

There are rooms reserved at the Courtyard by Marriott at the rate of $131 plus tax per night for single or double occupancy. Rooms must be reserved by March 26, 2018 to receive the discounted rate. Reservations can be made online: https://aws.passkey.com/e/49537364

Other hotels in the area include:

Hyatt Place
111 W. Washington Center Rd.
(260) 471-8522

Hampton Inn & Suites
5702 Challenger Parkway
(260) 489-0908

Holiday Inn Express
5915 Ellison
(260) 227-5148

Hampton Inn & Suites
8219 West Jefferson Blvd.
(260) 459-1999

Grand Wayne Center
120 West Jefferson Boulevard
Fort Wayne, IN 46802
(260) 426-4100
http://www.grandwayne.com

The Grand Wayne Center and Hilton Fort Wayne are conveniently located in downtown Fort Wayne, only 7 miles from the Fort Wayne International Airport.

ARPAS
The American Registry of Professional Animal Scientists

The ARPAS exam will be given at the Tri-State Dairy Nutrition Conference on April 17. If you are interested in taking the exam, please email the requested information listed below.

PAS exam(s) available:

1. Aquaculture
2. Beef Cattle
3. Companion
4. Dairy Cattle
5. Horses
6. Laboratory Animals
7. Poultry
8. Sheep & Goat
9. Swine
10. Meat Science
11. Dairy Product Science
12. Poultry Products

16 CEU’s available to ARPAS members for attending the Conference (3 credits for Dairy Nutrition Software workshop, 3 credits for Cumberland Valley Analytical Services pre-conference, 8 credits for Conference (4 for each day), 2 for Mycogen post-conference).

The exam may be taken at the time listed below.
Other times available by appointment with Jeremy Holzner at ARPAS, 217/356-5390, email: jeremyh@assochq.org
Tuesday, April 17 - 11:00 AM

More information about ARPAS exams and sample questions may be found at www.arpas.org. If you would like information on one of the College Board Certification exams, please contact us.

Please email the information below, which exams you desire to take and your preferred time to: jeremyh@assochq.org

(Name, Address, City, State, Zip, phone, and email address)
Monday, April 16

1:30 - 5:30  Undergraduate Student Presentations  (Harrison A)
Graduate Student Presentations  (Harrison B, C)

3:00 - 5:30  Dairy Nutrition Software Workshop  (Harrison C, D, E)
Pre-registration Required  ($25/person)
AMTS
CNCPSS
NDS
Spartan Dairy Ration

5:30 - 6:30  Dinner for Students, Dairy Nutrition Software Workshop Attendees, and Industry Personnel*  (Anthony Wayne Ballroom)
Pre-registration Required
(Sponsored by Midwest ARPAS and the Tri-State Dairy Nutrition Conference)
*Free to presenting students and their advisors, $35/person otherwise.

Tuesday, April 17

PRE-CONFERENCE

8:00 - 12:00  Pre-Conference program hosted by Cumberland Valley Analytical Services  (Anthony Wayne Ballroom; registration required; 3 CEU’s)
Theme: Forage and Feed Characterization - Tools for Defining Variation, Modeling, and Troubleshooting Quality
Agenda: Check Tri-State Dairy Conference website.

TRI-STATE DAIRY NUTRITION CONFERENCE

12:00 - 12:50  Registration Opens  (Refreshments provided in Convention Hall)
Midwest ARPAS Luncheon Meeting  (Harrison D/E)

12:50 - 1:00  Welcome to the 27th Tri-State Dairy Nutrition Conference  Dr. Maurice Eastridge, The Ohio State University

1:00 - 1:40  Emerging Issue: Environmental Sustainability of Dairy Farm Systems  Dr. Frank Mitloehner, University of California, Davis

Theme: Dietary Recommendations for Dairy Cattle
Moderator: Mr. Glenn Smith, Feedworks USA

1:40 - 2:20  Using Physically Adjusted NDF in Formulating Rations for Dairy Cows  Dr. Paul Kononoff, University of Nebraska

Concurrent Sessions:

2:30 - 3:05  Experiences from Working in the Feed Industry  (panel discussion)
1 to 5 years experience
10 to 15 years experience
>20 years experience
Moderator: Dr. Jackie Boerman, Purdue University  (Harrison D/E)
Nutrient Digestibility for High Producing Dairy Cows  Dr. Mike VandeHaar, Michigan State University

3:05 - 3:35  Break (refreshments provided)

3:35 - 4:15  Amino Acid Nutrition During the Transition Period for Dairy Cows  Dr. Phil Cardoso, University of Illinois

4:15 - 4:30  Timely Topic: Update on Fat Soluble Vitamin Supplementation of Dairy Cows  Dr. Bill Weiss, The Ohio State University

4:30 - 5:10  Energy Cost of Inflammation in Dairy Cows  Dr. Lance Baumgard, Iowa State University

5:10 - 5:20  Announcement of Graduate Student Presentation Awards  Dr. Adam Lock, Michigan State University

5:20 - 5:35  Presentation by First-Place Graduate Student

5:35 - 5:45  Announcement of Undergraduate Student Presentation Awards  Dr. Adam Lock, Michigan State University

5:45 - 7:00  Hospitality  (Exhibit Hall, Refreshments Provided)
(Dinner on Your Own)

6:30  Veterinarian Dinner  Hosted by Papillon Agricultural Company  (Harrison A)
Nutrition Consultant Dinner  Hosted by Zinpro  (Harrison B)

7:00 - 9:00  Extension Educator In-Service  (Harrison DE)
**Wednesday, April 18**

7:00 - 7:45  **Industry Sponsored Hot Topic**  
*Hosted by Multimin USA, Inc.*  
(Anthony Wayne Ballroom A)  
(breakfast provided; registration required)  
**Topic:** How to Improve Immune Function Through Trace Mineral Supplementation. ITM: Immunity to be Meaningful  
**Speaker:** Dr. Dan Tracy

7:45 - 8:30  **Visit with Exhibitors in Convention Hall**  
(coffee, milk, and snacks provided by Multimin USA, Inc.)

**Theme: Herd Management and Milk Composition**  
**Moderator:** Mr. Andrew Martin, Purdue University

8:30 - 9:10  **Emerging Issue:** Changes in the Treatment of Mastitis on Dairy Farms  
**Dr. Pamela Ruegg, Michigan State University**

**Concurrent Sessions:**

9:20 - 10:00  **How to Achieve the Dairy Calf and Heifer Association’s Gold Standards for Calves**  
**Dr. Drew Vermeire, Nouriche Nutrition Ltd.**  
**Moderator:** Dr. Jackie Boerman, Purdue University  
(Harrison D/E)

**Resilience of the Rumen Microbial Population**  
**Dr. Paul Weimer, University of Wisconsin, Madison**

10:00 - 10:30  **Break**  
(Refreshments provided)

10:30 - 11:10  **Relationships Between Fertility and Body Condition in Dairy Cows**  
**Dr. Milo Wiltbank, University of Wisconsin, Madison**

11:10 - 11:40  **Understanding the Regulation of Milk Fat Synthesis and its Potential Application in Herd Management**  
**Dr. Adam Lock, Michigan State University**

**Concurrent Sessions:**

11:50 - 12:30  **Seasonal Variation in Milk Composition**  
**Dr. Kevin Harvatine, Penn State University**  
**Moderator:** Dr. Jackie Boerman, Purdue University  
(Harrison D/E)

**Feeding the Rumen to Maximize Milk Components**  
**Dr. Benjamin Wenner, CSA Animal Nutrition**

12:30  **Adjourn**  
(Refreshments Provided in Convention Hall)

**POST-CONFERENCE**

1:00 - 3:00  **Post-Conference hosted by Mycogen**  
(Convention Hall: registration required)

**Theme and Agenda:** Check Tri-State Dairy Conference website.

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**Tri-State Dairy Undergraduate Program**

**Monday, April 16**

1:30 - 5:30  Attend and/or participate in Student Competition  
(Harrison A, B, C)  
Hotel check-in  
(Free lodging for students - Required registration for conference and lodging)

5:30 - 6:30  Dinner hosted by ARPAS and the Tri-State Dairy Nutrition Conference  
(Anthony Wayne Ballroom)

7:00  Evening social

**Tuesday, April 17**

8:00 - 9:00  Breakfast with Guest Speaker

9:00 - 11:30  TBA

12:00 - 12:45  Lunch at Grand Wayne Center

12:50 - 5:45  Attend Conference and Visit with Exhibitors
2018 Tri-State Dairy Nutrition Conference Registration Form

Please print clearly

Name:___________________________________________
Company: ________________________________________
Address: _________________________________________
City: _________________ State: ______ Zip:_____________
Phone:_______________ Email: _______________________

Please check the box corresponding to your job affiliation:
☐ Feed Industry - sales/nutrition advisor
☐ Feed Industry - support staff/management/research
☐ Private Consultant
☐ Veterinarian
☐ Dairy Producer
☐ Campus/University Staff
☐ County Extension
☐ Government
☐ Student
(Undergraduate and graduate - Students registrations are free.)
FREE student lodging. (See registration area).

$_______ Registration ($175/person)
(Registration includes one proceedings either online or paper.)
($30 late fee after March 30, 2018 - $205)

PROCEEDINGS PREFERENCE:
Indicate: _____ online or _____ paper
(For online proceedings, a password will be provided.)

$_______ Extra Paper Proceedings ($20/copy)
$_______ Online proceedings only ($20/person)

$_______ Feed Analysis Workshop
($25/person)

$_______ April 16 Dinner ($35/person for non-students)
Sponsored by: ARPAS and the Tri-State Dairy Nutrition Conference

$_______ TOTAL

A $30 per registration charge will be added for late registrations and registrations received at the door.

Discounted registration fees are available for organizations with groups of 5 or more ($160/person), provided they are received from the same company, before the registration deadline, and received at the same time. Contact Michelle Milligan at (614) 292-7374 or milligan.4@osu.edu for details on group discounts or with questions.

Registration Deadline: March 30, 2018.

Make checks payable to:
Tri-State Dairy Nutrition Conference

Mail registration form and fee to:
Tri-State Dairy Nutrition Conference
c/o Michelle Milligan
221 Animal Science Building, 2029 Fyffe Court
Columbus, OH 43210

OR

Register online: http://tristatedairy.org

Student Undergraduate Program and Lodging on the reverse side.

One registration per form. Please list each registration on additional copies of this form.
Student Lodging

Undergraduate and graduate students may attend the Conference for free, and lodging will be complimentary for students. Pre-registration is required. The student room reservations deadline is March 16, 2018. There will be four students per double bed room.

Student Name: __________________________ Email: __________________________

Graduate Student: ☐ Undergraduate Student: ☐

Presenting: Yes ☐ No ☐ Dinner on April 16: Yes ☐ No ☐

If undergraduate presenting: Literature Review ☐ Research ☐

Lodging Needed: April 16: Yes ☐ No ☐ April 17: Yes ☐ No ☐

Attending Undergraduate Program on April 17: Yes ☐ No ☐

Student Name: __________________________ Email: __________________________

Graduate Student: ☐ Undergraduate Student: ☐

Presenting: Yes ☐ No ☐ Dinner on April 16: Yes ☐ No ☐

If undergraduate presenting: Literature Review ☐ Research ☐

Lodging Needed: April 16: Yes ☐ No ☐ April 17: Yes ☐ No ☐

Attending Undergraduate Program on April 17: Yes ☐ No ☐

Student Name: __________________________ Email: __________________________

Graduate Student: ☐ Undergraduate Student: ☐

Presenting: Yes ☐ No ☐ Dinner on April 16: Yes ☐ No ☐

If undergraduate presenting: Literature Review ☐ Research ☐

Lodging Needed: April 16: Yes ☐ No ☐ April 17: Yes ☐ No ☐

Attending Undergraduate Program on April 17: Yes ☐ No ☐

Student Name: __________________________ Email: __________________________

Graduate Student: ☐ Undergraduate Student: ☐

Presenting: Yes ☐ No ☐ Dinner on April 16: Yes ☐ No ☐

If undergraduate presenting: Literature Review ☐ Research ☐

Lodging Needed: April 16: Yes ☐ No ☐ April 17: Yes ☐ No ☐

Attending Undergraduate Program on April 17: Yes ☐ No ☐

Website: http://tristatedairy.org