Tuesday, March 24, 2015

General Nutrition Program

8:45  Welcome

8:50  Feeding Heat Stressed Livestock
     Dr. Robert Rhoads, Virginia Polytechnic Institute and State University

9:40  Poultry Production, Nutrition, and Climate Change
     Dr. Carla Price, CJP Nutrition

10:30 Vendor Break

11:10 The Evolution of Performance Horse Feeds
     Dr. Joe Pagan, Kentucky Equine Research

12:00 Lunch on Your Own

Technical Symposium
Sponsored by Alltech

2:00 Holistic Approach for the Identification, Risk Assessment and Mitigation of Mycotoxins
     Dr. Alexandra Weaver, Technical Support North America Mycotoxin Management Team

2:50 If Minerals Could Offer More with Less?
     Roger Scaletti, Technical Support North America Mineral Management Team

3:40 Microalgae-Enriched Feed: Improving Animal and Human Health
     Nikki Putnam, MS, RDN, LD
     Registered Dietitian Nutritionist

5:00 Reception

Brought to You by the Following Affiliations:

Maryland Feed Industry Council
University of Maryland
American Feed Industry Association
Pennsylvania State University
Rutgers University
University of Delaware
University of Pennsylvania-Veterinary School
USDA
Virginia Polytechnic University
West Virginia University

Registration Category and fees:
General Registration  $100
Govt./University  $65
Emeritus Professor  No Fee
Student  No Fee
March 25 Only  $75

Online Registration Available!
(Additional processing fee included)

For Sponsorship and Registration Information, Contact:
Jennifer Reynolds
University of Maryland
3101 Animal Sciences Building
College Park, MD 20742
Ph: 301-405-1547 Fax: 301-405-8831
Email: jenreyn@umd.edu

Radisson Hotel
North Baltimore
Timonium, Maryland
www.manc.umd.edu
<table>
<thead>
<tr>
<th>Time</th>
<th>Poultry Nutrition Program</th>
<th>Dairy Nutrition Program</th>
<th>Equine Nutrition Program</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Prebiotic Effects on Performance, Gut Morphology, and Immune Response</td>
<td>Diet Evaluation Using Fecal Scoring</td>
<td>Toxic Principles of Plants and their Effects on Horses</td>
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<tr>
<td></td>
<td>Dr. Woo Kyun Kim, University of Georgia</td>
<td>Dr. Charles E. Gardner, Cargill Animal Nutrition Consulting Services</td>
<td>Dr. Anthony Knight, Colorado State University</td>
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<td>8:50</td>
<td>Targeting Intestinal Needs of the Maturing Broiler</td>
<td>Fecal Starch: Opportunities for Monitoring and Improving Starch Digestibility</td>
<td>Toxic Principles of Plants and their Effects on Horses (con’t.)</td>
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<td>Dr. Mike Lilburn, The Ohio State University</td>
<td>Dr. Shane Fredin, Miner Institute</td>
<td>Dr. Anthony Knight, Colorado State University</td>
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<td>9:40</td>
<td>Vendor Break and Poster Session</td>
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<td>10:20</td>
<td>The Role of Enzymes in Enteric Health</td>
<td>NDF Intake = 1.25% * Body Weight: What are we missing?</td>
<td>Case Studies of Plant Toxicities in Horses</td>
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<td>Dr. Aaron Cowieson, DSM Nutritional Products</td>
<td>Dr. Larry Jones, American Farm Products, Inc.</td>
<td>Dr. Ken Marcella, Chattahoochee Equine</td>
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<td>11:10</td>
<td>Protein Minimum Safety Margins</td>
<td>Understanding the Role of Hepatic Methyl Metabolism in Transition Cow Nutrition</td>
<td>Case Studies of Plant Toxicities in Horses (con’t.)</td>
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<td>Dr. John Thomson, Evonik Degussa Corporation</td>
<td>Dr. Heather White, University of Wisconsin-Madison</td>
<td>Dr. Ken Marcella, Chattahoochee Equine</td>
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<td>12:00</td>
<td>Lunch</td>
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<td>1:30</td>
<td>Feed Form Impact on Broiler Performance</td>
<td>Using MUN to Evaluate Nitrogen Status in the Lactating Dairy Cow</td>
<td>Control of Plants Toxic to Horses</td>
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<td>Dr. Kelley Wamsley, Mississippi State University</td>
<td>Dr. Rick Kohn, University of Maryland</td>
<td>Donna Foulk, Pennsylvania State University</td>
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<td>2:20</td>
<td>Mycotoxicology in Poultry Production</td>
<td>Choline vs Methionine in Transition Cows</td>
<td>Toxins in the Grass: Are Nonstructural Carbohydrates As Bad As You Think?</td>
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<td>Dr. Duarte Diaz, A to Z Mycotoxins</td>
<td>Dr. Richard Erdman, University of Maryland</td>
<td>Dr. Bridgett McIntosh, Virginia Polytechnic Institute and State University</td>
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<td>3:10</td>
<td>Nutritional Challenges in Organic Turkey Production</td>
<td>Immunometabolic Response During Mastitis in Transition Dairy Cows</td>
<td>Toxins in Equine Feedstuffs</td>
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<td>Dr. Carolos Ibanez, Akey</td>
<td>Dr. Kasey Moyes, University of Maryland</td>
<td>Dr. Marty Adams, Southern States Cooperative</td>
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