2015 Florida Ruminant Nutrition Symposium

February 2 – 4, 2015
Best Western Gateway Grand
Gainesville, Florida

26th Annual Meeting

Visit the symposium web site today!
http://dairy.ifas.ufl.edu/RNS
Symposium Registration

26th Annual
Florida Ruminant Nutrition Symposium
February 2 - 4, 2015 • Best Western Gateway Grand
Gainesville, FL

Registration Information

The registration fee includes continental breakfasts, Monday’s reception, Tuesday’s luncheon, refreshment breaks, Tuesday night’s reception, and one copy of the symposium proceedings containing the written presentations of the speakers.

**Early Reduced Registration Fee**
*(On or before January 20, 2015)*

$140.00

**Regular & On-site Registration Fee**
*(After January 20, 2015)*

$160.00

REGISTER ONLINE: If paying by credit card, (VISA, MasterCard, or American Express) or mailing a check (payable to the Florida Ruminant Nutrition Symposium in U.S. dollars and drawn on U.S. banks), conveniently register online via our website located at:

http://dairy.ifas.ufl.edu/rns/info.shtml

or

https://eventbrite.com/event/14909944044/

Visit and Bookmark the Symposium Web Site for Details

- **REGISTRATION** – *Early Registration Fee Deadline is January 20, 2015*
- **PROGRAM SPEAKERS, UPDATES & ANNOUNCEMENTS**
- **ACCOMMODATIONS & MEETING SITE**
- **SPONSORS & SUPPORTERS**
- **http://dairy.ifas.ufl.edu/RNS**
- The Florida Ruminant Nutrition Symposium is approved for eight (8) ARPAS credits.

Questions?

**Conference Information**
*Dr. José E. P. Santos*, Symposium Organizer
Department of Animal Sciences
University of Florida/IFAS
PO Box 110910
Gainesville, FL 32611-0910
EMAIL: jepsantos@ufl.edu

**Registration Information**
*Sabrina Robinson*, Symposium Coordinator
Department of Animal Sciences
University of Florida/IFAS
PO Box 110910
Gainesville, FL 32611-0910
EMAIL: sbro@ufl.edu
## Symposium Program

### Monday, February 2, 2015 — Balchem Mini Symposium

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00PM</td>
<td>“Insulin resistance in transition dairy cows: Friend or foe?”</td>
<td>Dr. Ric Grummer</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>1:45PM</td>
<td>“Hepatic methyl metabolism: Influencing success during the transition to lactation”</td>
<td>Dr. Heather White</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>2:45PM</td>
<td>Break</td>
<td></td>
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</tr>
<tr>
<td>3:15PM</td>
<td>“Feeding choline and methionine to transition dairy cows”</td>
<td>Dr. Richard Erdman</td>
<td>University of Maryland</td>
</tr>
<tr>
<td>4:15PM</td>
<td>“What are your chances for success when feeding rumen-protected choline?”</td>
<td>Dr. Ric Grummer</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>5:15PM</td>
<td>Reception</td>
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</tbody>
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### Tuesday, February 3, 2015 — Pre-Conference

**Sponsored by Elanco Animal Health**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>8:00AM</td>
<td>Registration (until 5:30PM)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00AM</td>
<td>Continental Breakfast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00AM</td>
<td>Program Introduction</td>
<td>David Waagner</td>
<td>Elanco Animal Health</td>
</tr>
<tr>
<td>9:10AM</td>
<td>“Disease records for impactful decisions during the vital 90 days”</td>
<td>Dr. David McClary</td>
<td>Elanco Animal Health</td>
</tr>
<tr>
<td>10:00AM</td>
<td>“Immune dysfunction in periparturient dairy cows: Evidence, causes and ramifications”</td>
<td>Dr. Marcus Kehrli</td>
<td>National Animal Disease Center</td>
</tr>
<tr>
<td>10:50AM</td>
<td>“Economic consequences in the vital 90 days”</td>
<td>Dr. Mike Overton</td>
<td>Elanco Animal Health</td>
</tr>
<tr>
<td>11:45AM</td>
<td>Buffet Lunch</td>
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### Tuesday, February 3, 2015

<table>
<thead>
<tr>
<th>Time</th>
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<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>1:00PM</td>
<td>Dr. Charles Staples, University of Florida — 25 years of the Florida Ruminant Nutrition Symposium</td>
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</tr>
<tr>
<td>1:20PM</td>
<td>“Importance of dietary amino acids and body condition for reproduction in dairy cows”</td>
<td>Dr. Milo Wiltbank</td>
<td>University of Wisconsin</td>
</tr>
<tr>
<td>2:00PM</td>
<td>“Mechanisms linking postpartum metabolism with reproduction in dairy cows”</td>
<td>Dr. Matt Lucy</td>
<td>University of Missouri</td>
</tr>
<tr>
<td>2:40PM</td>
<td>“Nutritional effects on beef heifer development, puberty and subsequent reproduction”</td>
<td>Dr. Mike Day</td>
<td>The Ohio State University</td>
</tr>
<tr>
<td>3:20PM</td>
<td>Refreshment Break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:50PM</td>
<td>“Intensified pre-weaning calf feeding programs: Impacts on growth and behavior”</td>
<td>Dr. Emily Miller-Cushon</td>
<td>University of Florida</td>
</tr>
<tr>
<td>4:30PM</td>
<td>“Dietary strategies to improve calf health”</td>
<td>Dr. Michael Ballou</td>
<td>Texas Tech University</td>
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### Wednesday, February 4, 2015

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>6:30AM</td>
<td>Continental Breakfast</td>
<td></td>
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<tr>
<td>8:00AM</td>
<td>“Alternative sources of trace minerals for beef cattle”</td>
<td>Dr. John Arthington</td>
<td>University of Florida</td>
</tr>
<tr>
<td>8:40AM</td>
<td>“Copper and Se metabolism and supplemental strategies for grazing beef cattle”</td>
<td>Dr. Terry Engle</td>
<td>Colorado State University</td>
</tr>
<tr>
<td>9:20AM</td>
<td>“Supplementation strategies to reduce waste in beef cattle systems”</td>
<td>Dr. Alfredo DiCostanzo</td>
<td>University of Minnesota</td>
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<tr>
<td>10:00AM</td>
<td>Refreshment Break</td>
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<tr>
<td>10:30AM</td>
<td>“Feeding management and methods to reduce feed losses and improve dairy cow performance”</td>
<td>Dr. Bill Stone</td>
<td>Diamond V</td>
</tr>
<tr>
<td>11:10AM</td>
<td>“The food safety and modernization act and its impact on the feed industry”</td>
<td>Dr. Jonathan Goodson</td>
<td>Evonik Industries</td>
</tr>
<tr>
<td>11:50AM</td>
<td>Ruminant Nutrition Symposium Adjourns</td>
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</table>
Meeting Site & Hotel Accommodations

Best Western Gateway Grand Hotel
4200 NW 97th Blvd.
Gainesville, Florida 32606
(Exit 390 off of I-75).

All reservations must be made directly with the hotel in order to get the discounted group rate. Contact the Best Western Gateway Grand directly at 1-877-464-2378 or 1-352-331-3336 to make a room reservation.

Be sure to specify you are attending the **Ruminant Nutrition Symposium**.

- **Standard rooms** are available at a rate of $79.00 per night plus 9.25% tax. All standard rooms have two double beds, a coffee maker and coffee.

- **Deluxe-king rooms** are available at a rate of $89.00 per night plus 9.25% tax upon availability. All deluxe-king rooms have a king size bed and a full size pullout sofa bed and also feature upgrades that include a refrigerator, microwave, ironing board and iron, hair dryer, and coffee maker.

- **Complimentary continental breakfast** will be served in the lobby each morning for all guests.

- **Complimentary high speed wireless internet access** in each guest room.

- **Complimentary Airport Shuttle** - The Best Western Gateway Grand will provide complimentary transportation to and from the Gainesville Regional Airport. Courtesy phones are located near baggage claim in the airport terminal.

Reservations must be made prior to Friday, January 20, 2015 to assure availability and the group rate.

Organizers & Sponsors

The Florida Ruminant Nutrition Symposium is organized by the Department of Animal Sciences, Institute of Food and Agricultural Sciences, at the University of Florida. The 2014 symposium was graciously sponsored by 24 industry leaders. Their contributions were greatly appreciated, and certainly enhanced the program.

- Adisseo
- Ag Processing Inc./AminoPlus
- Alltech, Inc.
- Arm & Hammer Animal Nutrition
- Balchem Corporation
- Bernie Haskins Company
- Diamond V
- Dupont-Pioneer
- Elanco Animal Health
- Furst McNess
- H.J. Baker & Bro., Inc.
- Lallemand Animal Nutrition
- Micron Bio-Systems, Inc.
- Micronutrients
- Milk Products Inc.
- Milk Specialties Global
- Mosaic Feed Ingredients
- Nutriad Inc.
- Perdue Ag Solutions LLC
- Prince Agri Products, Inc.
- Purina Animal Nutrition
- Virtus Nutrition
- Westway Feed Products LLC
- Zinpro Performance Minerals

*If your company is interested in becoming a sponsor of the 2016 Florida Ruminant Nutrition Symposium, please contact:*

**Dr. José E.P. Santos** - Phone: 352-392-1958 Ext. 251 or Email: jepsantos@ufl.edu

**Dr. Charles R. Staples** - Phone: 352-392-1958 Ext. 253 or Email: chasstap@ufl.edu
Speakers

*Balchem Mini Symposium*

**Dr. Ric Grummer**, Emeritus Professor, University of Wisconsin - Madison

**Dr. Heather White**, Assistant Professor, University of Wisconsin - Madison

**Dr. Richard Erdman**, Professor, University of Maryland

*Pre-Conference Sponsored by Elanco Animal Health*

**Mr. David Waagner**, Elanco Animal Health

**Dr. David McClary**, Elanco Animal Health

**Dr. Marcus Kehrli**, USDA National Animal Disease Center, Ames, IA

**Dr. Mike Overton**, Elanco Animal Health

*Florida Ruminant Nutrition Symposium*

**Dr. Charles Staples**, Professor, University of Florida

**Dr. Milo Wiltbank**, Professor, University of Wisconsin

**Dr. Matt Lucy**, Professor, University of Missouri

**Dr. Mike Day**, Professor, The Ohio State University

**Dr. Emily Miller-Cushon**, Assistant Professor, University of Florida

**Dr. Michael Ballou**, Associate Professor, Texas Tech University

**Dr. John Arthington**, Professor, University of Florida

**Dr. Terry Engle**, Professor, Colorado State University

**Dr. Alfredo DiCostanzo**, Professor, University of Minnesota

**Dr. Bill Stone**, *Diamond V*

**Dr. Jonathan Goodson**, Evonik Industries