2016
Florida Ruminant Nutrition Symposium

February 15 – 17, 2016
Best Western Gateway Grand
Gainesville, Florida

27th Annual Meeting

Visit the symposium web site today!
http://dairy.ifas.ufl.edu/RNS
Symposium Registration
27th Annual
Florida Ruminant Nutrition Symposium
February 15 - 17, 2016 • Best Western Gateway Grand
Gainesville, FL

Registration Information

The registration fee includes continental breakfasts, Tuesday’s buffet hot and cold 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 22, 2016) ................................................................. $140.00*

**Regular & On-site Registration Fee**
*(After January 22, 2016) ........................................................................ $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

http://www.eventbrite.com/e/2016-florida-ruminant-nutrition-symposium-tickets-19684633268

Visit and Bookmark the Symposium Web Site for Details

- **REGISTRATION** – *Early Registration Fee Deadline is January 22, 2016*
- **PROGRAM SPEAKERS, UPDATES & ANNOUNCEMENTS**
- **ACCOMMODATIONS & MEETING SITE**
- **SPONSORS & SUPPORTERS**
- **http://dairy.ifas.ufl.edu/rns/info.shtml**
- 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
**PHONE:** 352-392-1958 Ext. 251 • **FAX:** 352-294-2036
**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
**PHONE:** 352-392-1958 Ext. 250 • **FAX:** 352-294-2036
**EMAIL:** sbro@ufl.edu
## Symposium Program

### Monday, February 15, 2016 — Balchem Mini Symposium — “Making Milk Protein”

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00PM</td>
<td>Welcome and Introductions — Dr. Clay Zimmerman, Balchem Animal Health and Nutrition</td>
<td></td>
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<tr>
<td>2:30PM</td>
<td>Breeding for Milk Protein — Charlie Will, Select Sires Inc.</td>
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<tr>
<td>3:15PM</td>
<td>Using Precision Feeding to Improve Nitrogen Efficiency — Dr. Mike Van Amburgh, Cornell University</td>
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<tr>
<td>4:00PM</td>
<td>The Future of Milk Protein as a Function Food — Dr. John A Lucey, University of Wisconsin</td>
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<tr>
<td>5:00PM</td>
<td>Poolside Barbecue</td>
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00AM</td>
<td>Continental Breakfast</td>
<td></td>
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<tr>
<td>8:45AM</td>
<td>Welcome and Objective for the Pre-Conference Symposium — Dr. Randy Davis, Quality Liquid Feeds</td>
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<tr>
<td>8:50AM</td>
<td>Quality Liquid Feeds Overview — Dr. Randy Davis or Dr. Cory Berg</td>
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<tr>
<td>9:10AM</td>
<td>Reducing the Impact of Heat Stress on Dry Cows and Fresh Cows — Dr. Sha Tao, University of Georgia</td>
<td></td>
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<tr>
<td>10:00AM</td>
<td>Role of Methionine and MHA in Dry Cow and Fresh Cow Nutrition with Emphasis on Liver Function — Dr. William Seymour, Novus International</td>
<td></td>
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<tr>
<td>10:50AM</td>
<td>Why Should You Feed a Molasses-Based Liquid Supplement When Corn is Cheap and Milk Price is Low — Dr. Stephen Emanuele, Quality Liquid Feeds</td>
<td></td>
</tr>
<tr>
<td>11:45AM</td>
<td>Buffet Lunch</td>
<td></td>
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</tbody>
</table>

### Tuesday, February 16, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00PM</td>
<td>Registration (until 5:30PM)</td>
<td></td>
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<tr>
<td>11:45AM</td>
<td>Buffet Lunch</td>
<td></td>
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<tr>
<td>1:00PM</td>
<td>Dr. Geoffrey Dahl, University of Florida — Welcome</td>
<td></td>
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<tr>
<td>1:10PM</td>
<td>Opportunities to Improve Efficiency of Beef Production — Dr. Monty Kerley, University of Missouri</td>
<td></td>
</tr>
</tbody>
</table>

### Wednesday, February 17, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30AM</td>
<td>Continental Breakfast</td>
<td></td>
</tr>
<tr>
<td>8:00AM</td>
<td>Protein Nutrition Evaluation and Application to Growing and Finishing Cattle — Dr. Galen Erickson, University of Nebraska</td>
<td></td>
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<tr>
<td>8:40AM</td>
<td>Alternative Feeds for Beef Cattle — Dr. Tara Felix, Penn State University</td>
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<tr>
<td>9:20AM</td>
<td>Control of Hepatic Gluconeogenesis During the Transition Period — Dr. Shawn Donkin, Purdue University</td>
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<tr>
<td>10:00AM</td>
<td>Refreshment Break</td>
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<tr>
<td>10:30AM</td>
<td>Novel Concepts on Calcium Homeostasis During Transition — Dr. Laura Hernandez, University of Wisconsin-Madison</td>
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<tr>
<td>11:10AM</td>
<td>Dietary Manipulations and Interventions to Improve Ca Metabolism During Transition — Dr. José Santos, University of Florida</td>
<td></td>
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<tr>
<td>11:50AM</td>
<td>Ruminant Nutrition Symposium Adjourns</td>
<td></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 Double Rooms** are available at a rate of $89.00 per night plus 11% tax. All standard rooms have two double beds, microwave and mini-fridge.

- **King Standard Rooms** are available at a rate of $95.00 per night plus 11% tax upon availability. All King Standard Rooms have 1 king size bed and a pullout sofa, a wet bar with a microwave and mini-fridge.

- **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 15, 2016 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 2015 symposium was graciously sponsored by 28 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
- Biomin
- CHR Hansen
- Diamond V Mills
- Dow Agrosciences
- Dupont-Pioneer
- Elanco Animal Health
- Feedworks USA
- Furst McNess Company
- H.J. Baker & Bro., Inc.
- Lallemand Animal Nutrition
- Micronutrients
- Milk Products Inc.
- Milk Specialties Global
- Mosaic Feed Ingredients
- Perdue Agribusiness
- Phibro Animal Health Corp
- Purina Land O’Lakes
- Quality Liquid Feeds
- Suwannee Valley Feeds LLC
- Virtus Nutrition
- West Central Soy
- Westway Feed Products LLC
- Zinpro Performance Minerals

If your company is interested in becoming a sponsor of the 2017 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

Project #0803