2006 Florida Ruminant Nutrition Symposium

February 1-2, 2006
Best Western Gateway Grand
Gainesville, Florida

17th Annual Meeting

Visit the symposium web site today!
www.conference.ifas.ufl.edu/ruminant
Symposium Registration
17th Annual
Florida Ruminant Nutrition Symposium
February 1-2, 2006 • Best Western Gateway Grand
Gainesville, Florida

Registration Information

The registration fee includes Wednesday’s buffet luncheon, refreshment breaks, a reception, one copy of the proceedings and conference materials.

**Early Reduced Registration Fee**
*(On or before January 4, 2006) ................................................................................................. $75.00*

**Regular & On-site Registration Fee**
*(After January 4, 2006) ........................................................................................................... $85.00*

**REGISTER ONLINE:** If paying by credit card, mailing a check, or requesting an invoice, conveniently register online via the conference website located at: [www.conference.ifas.ufl.edu/ruminant](http://www.conference.ifas.ufl.edu/ruminant)

**REFUND POLICY:** Requests for registration refunds will be honored if a written notification of cancellation is received by the Office of Conferences & Institutes on or before January 18, 2006. A $15.00 processing fee will be deducted from all refunds. Sorry, no refunds will be honored for cancellations after January 18, 2006.

**SPECIAL NEEDS:** Participants with special needs can be reasonably accommodated by contacting the Office of Conferences & Institutes at least 10 working days prior to the symposium. We can be reached by phone at 1-352-392-5930, by fax at 1-352-392-9734, or by calling 1-800-955-8771 (TDD). The TDD number can only be accessed from within Florida.

Visit and Bookmark the Symposium Web Site for Details

- **REGISTRATION** – *Early Registration Fee Deadline is January 4, 2006*
- **PROGRAM SPEAKERS, UPDATES & ANNOUNCEMENTS**
- **ACCOMMODATIONS & MEETING SITE**
- **SPONSORS & SUPPORTERS**
- **TRAVEL & AREA INFORMATION**

[www.conference.ifas.ufl.edu/ruminant](http://www.conference.ifas.ufl.edu/ruminant)

Questions?

**Conference Information**
*Dr. Charles R. Staples, Symposium Organizer*
Department of Animal Sciences
University of Florida
Institute of Food and Agricultural Sciences (IFAS)
PO Box 110910
Gainesville, Florida 32611-0910
EMAIL: staples@animal.ufl.edu

**Registration Information**
*Tracy Nininger, Conference Coordinator*
Office of Conferences & Institutes (OCI)
University of Florida Leadership and Education Foundation, Inc. (UFLEF)
Institute of Food and Agricultural Sciences (IFAS)
PO Box 110750
Gainesville, FL 32611-0750
PHONE: 352-392-5930 • FAX: 352-392-9734
EMAIL: tnnininger@ifas.ufl.edu
### Symposium Program & Announcements

**17th Annual**

**Florida Ruminant Nutrition Symposium**

**February 1-2, 2006 • Best Western Gateway Grand**

**Gainesville, Florida**

---

#### Wednesday, February 1, 2006

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30AM</td>
<td>Registration</td>
</tr>
<tr>
<td>11:45AM</td>
<td>Buffet Lunch</td>
</tr>
<tr>
<td>1:00PM</td>
<td>Welcome</td>
</tr>
<tr>
<td>1:05PM</td>
<td><strong>Strategic Manipulation of RDP and</strong> RUP <strong>Supply to Meet the Protein Needs of Beef Cows</strong> – <em>Dr. Alfredo DiCostanzo</em>, University of Minnesota, St. Paul, MN</td>
</tr>
<tr>
<td>1:45PM</td>
<td><strong>Improving Nitrogen Utilization in the Rumen of the Lactating Dairy Cow</strong> – <em>Dr. Glen Broderick</em>, U.S. Dairy Forage Research Center, Madison, WI</td>
</tr>
<tr>
<td>2:25PM</td>
<td><strong>The Role of Amino Acid Nutrition in Milk Yield and Milk Components</strong> – <em>Dr. Brian Bequette</em>, University of Maryland, College Park, MD</td>
</tr>
<tr>
<td>3:05PM</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>3:35PM</td>
<td><strong>Milking Them for All They’re Worth</strong> – <em>Dr. David Zartman</em>, The Ohio State University, Columbus, OH</td>
</tr>
<tr>
<td>4:15PM</td>
<td><strong>Encapsulating Nutrients to Improve Nitrogen Utilization and Reproduction</strong> – <em>Dr. Steven Emanuele</em>, Balchem Corporation, New Hampton, NY</td>
</tr>
<tr>
<td>4:55PM</td>
<td><strong>A Factorial Approach to Energy Supplementation for Grazing Beef Cattle</strong> – <em>Dr. Matt Hersom</em>, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>5:30PM</td>
<td>Welcome Reception</td>
</tr>
</tbody>
</table>

#### Thursday, February 2, 2006

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00AM</td>
<td><strong>Trace Mineral Nutrition and Immune Competence in Cattle</strong> – <em>Dr. John Arthington</em>, University of Florida, Range Cattle REC, Ona, FL</td>
</tr>
<tr>
<td>8:40AM</td>
<td><strong>Nutritional and Metabolic Effects on the Immune Competence of the Periparturient Cow</strong> – <em>Dr. Jesse Goff</em>, National Animal Disease Center, Ames, IA</td>
</tr>
<tr>
<td>9:20AM</td>
<td><strong>Uses and Abuses of Near Infrared Reflectance Spectroscopy for Feed Analyses</strong> – <em>Dr. Dan Undersander</em>, University of Wisconsin, Madison, WI</td>
</tr>
<tr>
<td>10:00AM</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>10:30AM</td>
<td><strong>Factors Affecting Corn Silage Quality in Hot and Humid Climates</strong> – <em>Dr. Gbola Adesogan</em>, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>11:10AM</td>
<td><strong>Milk Fat Depression in Dairy Cows - Influence of Supplemental Fats</strong> – <em>Dr. Charles Staples</em>, University of Florida, Gainesville, FL</td>
</tr>
</tbody>
</table>

---

**Announcements**

- A Deli buffet will be provided on Wednesday, February 1, at 11:45AM.

- A reception will be held on Wednesday evening, February 1, at 5:30PM to welcome our guests to the symposium.

- The Florida Ruminant Nutrition Symposium is approved for eight (8) ARPAS credits.
Meeting Site & Hotel Accommodations

Best Western Gateway Grand
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 reduced group rate. Contact the hotel directly at 1-877-464-2378 or 1-352-331-3336, fax: 1-352-331-3337.

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

- **Standard rooms** are available at a rate of $69.00 per night plus 9% tax. All standard rooms have two double beds, a coffee maker and coffee.

- **Deluxe-king rooms** are available at a rate of $79.00 per night plus 9% 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 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 6, 2006 to assure availability and the group rate.

---

Sponsors & Supporters

The Florida Ruminant Nutrition Symposium is sponsored by the Department of Animal Sciences, Institute of Food and Agricultural Sciences, University of Florida. The 2005 symposium was also graciously sponsored by 31 industry leaders:

- ACG Products LTD
- ADM Alliance Nutrition, Inc.
- Alltech, Inc.
- Arm & Hammer Animal Nutrition Group
- Bernie Haskins Company
- BFI Innovations, Inc.
- Bioproducts, Inc.
- Degussa Corporation
- Diamond V Mills
- DSM Nutritional Products
- Elanco Animal Health
- Furst McNess Co.
- H.J. Baker & Bro., Inc.
- Jack Daniel Distillery
- Kemin
- Lakeland Animal Nutrition
- Land O’ Lakes Purina Feed
- Loders Croklaan USA
- MS Specialty Nutrition
- Monsanto Dairy Business
- Mosaic Feed Ingredients
- Novus International
- Omega Protein Inc.
- PCS Sales (USA), Inc.
- Pioneer, A Dupont Company
- Prince Agri Products, Inc.
- U.S. Sugar Corporation
- Universal Cooperatives
- West Central
- Westway Feed Products
- Zinpro Corporation

If your company is interested in becoming a sponsor of the 2006 Florida Ruminant Nutrition Symposium, please contact:

**Dr. Charles Staples** - Phone: 352-392-1958
or Email: Staples@animal.ufl.edu

**Dr. Adegbola Adesogan** - Phone: 352-392-7527
or Email: Adesogan@animal.ufl.edu

Project #0609