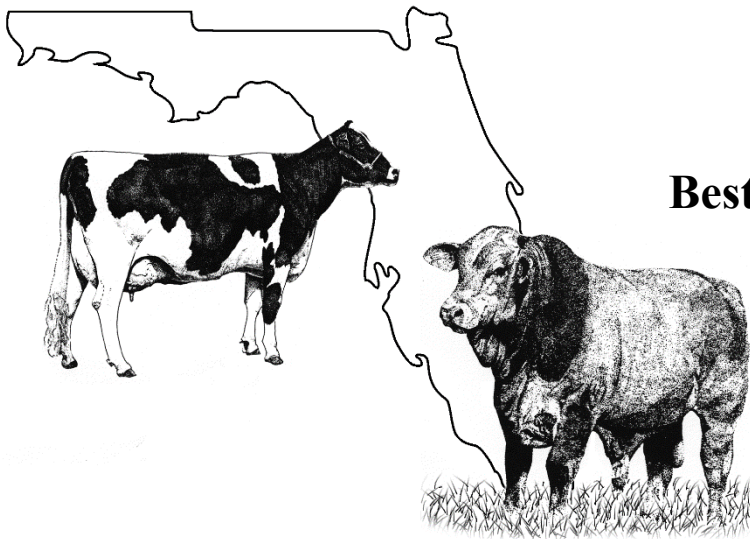


2023 Florida Ruminant Nutrition Symposium



February 20 - 22
Best Western Gateway Grand Hotel
Gainesville, Florida

34th Annual Meeting

UF | IFAS
UNIVERSITY of FLORIDA



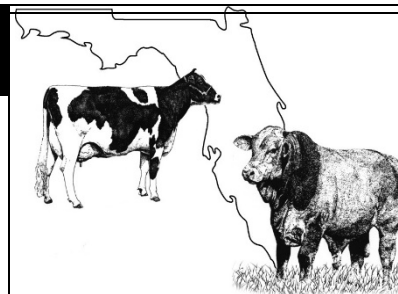
**ANIMAL
SCIENCES**

Visit the Symposium website today!
<https://tinyurl.com/FLruminant-nutrition>

Symposium Registration

34th Annual Florida Ruminant Nutrition Symposium

Feb 20 - 22, 2023 • Best Western Gateway Grand
Gainesville, FL



Registration Information

The registration fee includes the reception on Monday evening, Tuesday's lunch, refreshment breaks, reception on Tuesday evening, and one copy of the symposium proceedings.

Early Reduced Registration Fee
(On or before Feb 12, 2023) **\$180.00**

Late & On-site Registration Fee
(After Feb 12, 2023)..... **\$220.00**

REGISTER ONLINE: Registration and sponsorship opportunities are available on the website below paying by credit card (VISA, MasterCard, or American Express).

FL Ruminant Nutrition Symposium website at:

<https://tinyurl.com/FLruminant-nutrition>

Registration at: <https://tinyurl.com/RNS-tickets>

If mailing a check (payable to University of Florida/Ruminant Nutrition Symposium, U.S. dollars and drawn on U.S. banks), then contact Savannah Linzmaier slinzmaier@ufl.edu with check and this registration form mailed to Department of Animal Sciences, 2250 Shealy Drive, University of Florida, Gainesville, FL 32611-0910.

REFUND POLICY: Send cancellation request to jepsantos@ufl.edu or through Eventbrite. A \$20.00 processing fee will be deducted from all refunds.

Visit and Bookmark the Symposium Website for Details

- **Registration – Early Registration Fee Deadline is Feb 12, 2023**
- **Program Speakers, Updates & Announcements**
- **Accommodations & Meeting Site**
- **Sponsors & Supporters**
- <https://tinyurl.com/FLruminant-nutrition>
- **ARPAS CE credits:** 12 CE credits are approved by ARPAS.

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
TEL: (352) 294-6998 • FAX: (352) 392-1931
E-MAIL: jepsantos@ufl.edu

Conference Information

Savannah Linzmaier
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Gainesville, FL 32611-0910
TEL: (352) 392-2455 • FAX: (352) 392-1931
E-MAIL: slinzmaier@ufl.edu

Symposium Program

Monday, Feb 20, 2023 - Mini-Symposium sponsored by Balchem Corporation “*New Revelations in Transition Cow Nutrition*”

- 2:00 PM **Dr. Clay Zimmerman**, Balchem Corporation. *Welcome and introduction.*
- 2:10 PM **Dr. Mike Van Amburgh**, Cornell University. “*Implications for understanding essential vs. required nutrients*”
- 2:50 PM **Dr. Barry Bradford**, Michigan State University. “*How do we get the next 5 pounds of milk?*”
- 3:30 PM **Refreshment Break**
- 4:00 PM **Dr. Henry Holdorf**, University of Wisconsin (Purina Animal Nutrition). “*New insights from University of Wisconsin transition cow research*”
- 4:40 PM **Dr. José Santos**, University of Florida. “*Choline a required nutrient by dairy cows*”
- 5:20 PM **Dr. Flávio Ribeiro**, Phytobiotics. “*How to cook a Brazilian barbecue*”
- 5:45 PM **Poolside Barbeque**

Tuesday, Feb 21, 2023 – Pre-Conference by Church & Dwight “*Make your herd resilient to hidden challenges*”

- 8:00 AM **Dr. Joel Pankowski**, Arm & Hammer Animal Nutrition and Food Production. *Welcome and introduction.*
- 8:10 AM **Dr. Sangita Jalukar**, Arm & Hammer Animal Nutrition and Food Protection. “*Preparing the immune system ahead of challenges faced by calves*”
- 9:00 AM **Dr. Ben Saylor**, Arm & Hammer Animal Nutrition and Food Protection. “*Practices and solutions to improve feed hygiene*”
- 9:50 AM **Refreshment Break**
- 10:30 AM **Mike Motta**, Arm & Hammer Animal Nutrition and Food Protection. “*Control environmental pathogens that silently steal production*”
- 11:30 AM **Buffet Lunch**

Tuesday, Feb 21, 2023 – Symposium

- 1:00 PM **Dr. Saqib Mukhtar**, University of Florida. *Welcome*

- 1:10 PM **Dr. T. G. Nagaraja**, Kansas State University. “*Beef on dairy and liver abscess, what do we know “about it?”*”
- 2:00 PM **Dr. Antonio Faciola**, University of Florida. “*Ruminal acidosis, bacterial changes, and lipopolysaccharides*”
- 2:40 PM **Refreshment Break**
- 3:10 PM **Dr. Mike Van Amburgh**, Cornell University. “*Improving precision of diet formulation by describing AA supply on a metabolizable energy basis*”
- 4:00 PM **Dr. Angela Gonella-Diaza**, University of Florida. “*Maternal methionine supply during the periconceptional period and its impact on calf performance*”
- 4:40 PM **Vinicius Izquierdo**, University of Florida. “*Impacts of pre- and postpartum heat stress abatement on physiology and performance of grazing Bos indicus-influenced cow-calf pairs*”
- 5:00 PM **Federico Podversich**, University of Florida. “*Diet-dependent effects of Aspergillus-based prebiotic fed to growing beef cattle*”
- 5:20 PM **Welcome Reception**

Wednesday, Feb 22, 2023 – Symposium

- 8:00 AM **Dr. Derek Brake**, University of Missouri. “*Limits to intestinal starch digestion in cattle*”
- 8:40 AM **Dr. Lance Baumgard**, Iowa State University. “*Reevaluating transition cow dogmas*”
- 9:20 AM **Dr. Stephanie Hansen**, Iowa State University. “*The role of sulfur affecting selenium and copper nutrition in cow calf*”
- 10:00 AM **Refreshment Break**
- 10:30 AM **Dr. Mike VandeHaar**, Michigan State University. “*Breeding cows to do more with less: an update on efforts to improve feed efficiency in the US*”
- 11:10 AM **Dr. Diwakar Vyas**, University of Florida. “*A survey on N efficiency in dairy farms in the USA*”
- 11:50 AM **Ruminant Nutrition Symposium Adjourns**

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 Hotel directly at (352) 331-3336 and mention **Ruminant Nutrition Symposium** to receive the group's special rate.

Call (352) 331-3336

- **Standard Double Rooms** are available at a rate of **\$99.00 per night plus tax**. All standard rooms have two double beds, microwave and mini-fridge.
- **King Standard Rooms** are available at a rate of **\$99.00 per night plus 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 by February 6, 2023, to assure availability and the group rate.



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 Symposium has received sponsorship from numerous industry leaders. Their contributions were greatly appreciated.

- **Adisseo**
- **Ag Processing Inc.**
- **Alltech**
- **Anpario**
- **Arm & Hammer Animal and Food Production**
- **Balchem**
- **Biomin**
- **Buffalo-Warren**
- **Central Life Sciences**
- **Diamond V**
- **DSM Nutritional Products**
- **Elanco**
- **Feed Components**
- **Feedworks USA Ltd.**
- **Furst McNess Company**
- **Micronutrients**
- **Milk Specialties Global**
- **Neogen**
- **O2D**
- **Pancosma**
- **Progressive Dairy Solutions**
- **Quality Liquid Feeds**
- **Rev Brand Seeds**
- **Suwannee Valley Feeds**
- **Tech Mix**
- **Virtus Nutrition**
- **Westway Feed Products LLC**
- **Zinpro Performance Minerals**

If your company is interested in becoming a sponsor of the 2024 Florida Ruminant Nutrition Symposium, please contact:

Dr. José E.P. Santos – Tel: (352) 294-6998 or E-mail: jepsantos@ufl.edu

Savannah Linzmaier - Tel: (352) 392-2455 or E-mail: slinzmaier@ufl.edu

REGISTRATION AND SPONSORSHIP FORM

34th ANNUAL FLORIDA RUMINANT NUTRITION SYMPOSIUM

Feb 20 to 22, 2023

Name of Company (print): _____

(Exactly as you want it to appear in the Symposium proceedings)

We are pleased to serve as a sponsor of the 34th Annual Florida Ruminant Nutrition Symposium scheduled Feb 20 to 22, 2023 at the Best Western Gateway Grand hotel in Gainesville, FL. The sponsorship amounts are \$1,800, \$1,500 or \$1,200, with the check payable to 'University of Florida - Ruminant Nutrition Symposium'. For your convenience you can charge the sponsorship fee to your credit card at the following website: <https://tinyurl.com/RNS-tickets>

and click on "Get Tickets" icon to select your sponsorship option.

When you pay the sponsorship fee with credit card at the preceding website, you are registering for the Symposium. If you decide to pay the sponsorship fee by check, fill out this form, attach the check and return it to us. Please check your choice of sponsorship below. All sponsorships entitle the sponsor to 1 to 4 complimentary registrations, acknowledgment at the Symposium, company name and contact information in the Symposium proceedings, and distribution of company's promotional materials to conferees. By submitting this form, you are registering for the symposium. **DO NOT REGISTER ONLINE FOR THE SYMPOSIUM IF YOU SUBMIT THIS FORM WITH PAYMENT.**

- Lunch Sponsor - \$1,800** (4 complimentary registrations)
- Break Sponsor - \$1,500** (2 complimentary registrations)
- Regular Sponsor - \$1,200** (1 complimentary registration)
- Registration by Feb. 12 - \$180** (per person attending the event)

Due Date is February 13, 2023:

Please complete this form and return to *Savannah Linzmaier* either by mail (Department of Animal Sciences, 2250 Shealy Drive, University of Florida, Gainesville, FL 32611-0910), Fax (352) 294-2036, or email (slinzmaier@ufl.edu). If you are a sponsor, please submit promotional materials such as pencils, pens, pads, company brochures on products, etc., that will be provided to each registrant. Attendance is estimated to be 250 people. To submit promotional materials, please send them to Savannah Linzmaier at the address above.

Name and Company: _____

(Please Print Name and Company)

Address: _____

Telephone: _____ Email: _____

Assigned name (s) for registration: _____

(Please Print)

For Sponsors, the contact information provided here will appear in the Symposium proceedings