



ANIMAL & DAIRY SCIENCES NEWSLETTER

MISSISSIPPI STATE UNIVERSITY
MARCH 9, 2018 | VOLUME 80



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Livestock Team in San Antonio

The Livestock Judging Team just returned from the San Antonio Livestock Exposition where it had a top-ten finish in three divisions of the contest, ultimately ranking 11th overall!

8th in Goats

10th in Sheep

10th in Hogs

Congratulations to Logan Stroock for ranking 7th in the hog division!



MANRRS Semi Annual Rib Sale



MANRRS Semi Annual Rib Sale Fundraiser

The Mississippi State chapter of MANRRS will be hosting a Rib Sale! We will be selling half slabs of ribs for \$10 each and whole slabs of ribs for \$20 each. All payments will be processed through PayPal. The sale will begin on February 22, 2018 and end on March 22, 2018. Orders will be available for pickup on Thursday, March 29, 2018.

Please feel free to contact us if you have any questions at msstatemanrrs@gmail.com

Link: <https://goo.gl/forms/7yxnDaw7W7tsNAQa2>



MANRRS Semi Annual Rib Sale



MANRRS Semi Annual Rib Sale Fundraiser

Do you enjoy a good slab of ribs but don't have the time, energy, or know how to get them just right? Well let MANRRS do the work for you!

Its as easy as 1,2,3....

1. Download a QR reader app on your phone and scan the code.
2. Fill out the order form and buy your ribs before March 22nd
3. Pay \$20 for a full slab or \$10 for a half slab via pay-pal.
4. Pick up your fully cooked, delicious, slab of ribs on March 29th

Questions or concerns?
Contact: msstatemanrrs@gmail.com



Link: <https://goo.gl/forms/7yxnDaw7W7tsNAQa2>

Students Advance to Western Semi- finals

A huge congratulations to Mary Claire Cornett and Hart Daniels! Both riders have advanced to the Western Semi-finals which will be held in Hamburg, New York March 17th and 18th. They will compete in Advanced Horsemanship.



Congratulations Carly Becker

Congratulations to Carly! She has been accepted to attend the 2018 Cornerstone Dairy Academy®- Servant Leadership training. She was selected among an impressive group of applicants. This learning experience is sure to help her build professional skills and re-energize her throughout the rest of the year.



ADS Social



MISSISSIPPI STATE UNIVERSITY™
DEPARTMENT OF FOOD SCIENCE,
NUTRITION AND HEALTH PROMOTION

Dear FSNHP and ADS Faculty, Staff and Graduate Students,

The Food Science, Nutrition and Health Promotion Department is inviting you to join us for a social mixer with faculty, staff and students from the Department of Animal Dairy Sciences.

Please plan to join us for a relaxing social time! You can stay for as long as you want! Or just stop by and meet other people! And we are excited to meet our peers from ADS!



DATE: Thursday, March 22nd, 2018

When: 4:30 pm

Where: Central Station Grill (Patio)

200 S Montgomery St, Starkville, MS

Happy hour prices; Dutch treat

For questions, please contact Yan Campbell (YL479@msstate.edu, 325-8366)

Small Ruminant Production Workshop

SMALL RUMINANT PRODUCTION WORKSHOP

SATURDAY, MARCH 17, 2018 (7:30 AM—5:00 PM)

MISSISSIPPI STATE UNIVERSITY—BOST CONFERENCE CENTER

190 BOST Dr., STARKVILLE, MS 39759



Demand for goat and sheep meat, milk, cheese, and hide has steadily increased in the United States during the last 10 years. These small ruminants have a high economic value because they are efficient converters of low-quality forages into quality meat, milk and other specialty markets. Dig deeper into goat and sheep production by increasing your knowledge in grazing management, health, breeding and genetics, and marketing strategies. Speakers include local producers and researchers from across the southeast.

Topics Include:

- ⇒ *Beginning a Goat/Sheep Operation*
- ⇒ *Marketing Strategies*
- ⇒ *Animal Health*
- ⇒ *Nutrition*
- ⇒ *Reproduction*
- ⇒ *Integrated Grazing Management*
- ⇒ *Toxic Plants*
- ⇒ *Meat Quality*
- ⇒ *Farm Assistance Programs*

Register at <http://www.pss.msstate.edu/workshops/ruminant/>

Before March 9th - \$30/person

After March 9th - \$35/person

Includes: lunch, refreshments and workshop materials

* A pre-workshop forage tour will be offered on Friday, March 16th from 4:00 pm to 6:00 pm at the MSU South Farm. This is a free tour, but pre-tour registration is encouraged.

Organized by Dr. Rocky Lemus (Plant & Soil Sciences), Dr. Erdogan Memili (Animal & Dairy Sciences), and Mr. Kip Brown (Animal & Dairy Sciences), MSU.

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Workshop Partners



Small Ruminant Production Workshop (2)

2018 Small Ruminant Production Workshop Agenda

7:30 am – 8:15 am – **Registration**

8:15 am – 8:20 am – Welcome and Introductions

8:20 am – 8:30 am – **Pre-test**

8:30 am – 9:15 am – What You Need to Know Before Purchasing Small Ruminants , **Mr. Kipp Brown, MSU**

9:15 am – 10:00 am – Marketing Goat and Sheep, **Josh Maples, MSU**

10:00 am – 10:15 am – **Break**

10:15 am – 11:15 am – Major Internal Parasites Affecting Small Ruminant Production, **Dr. Jim Miller, LSU**

11:15 am – 12:00 pm – Proper Breed Selection and Use to Improve Herd Reproductive Performance and Profitability, **Dr. Richard Browning, TSU**

12:00 pm – 1:00 pm – **Lunch and Producer Panel** (Lunch Sponsored by Mississippi Farm Bureau)

1:00 pm – 1:45 pm – Essentials of Goat and Sheep Reproduction, **Dr. Erdogan Memili, MSU**

1:00 pm – 1:45 pm – Integrated Grazing Management for Small Ruminants, **Dr. Rocky Lemus, MSU**

2:45 pm – 3:15 pm – Toxic plants to Small Ruminants, **Dr. Brett Rushing, MSU**

3:15 pm – 3:30 pm – **Break**

3:30 pm – 4:15 pm – Sheep and Goat Meat Characteristics and Quality, **Mr. Tim Armstrong, MSU**

4:15 pm – 4:45 pm – USDA Programs

- Livestock Forage Program for Grazing Losses – FSA
- Environmental Quality Incentive Programs (EQUIP) for small ruminants – **Wallace Kade, NRCS District Conservationist**

4:45 pm – 5:15 pm – **Post-test and Evaluation**

5:15 pm - Adjourn



ADS Awards Banquet

PLEASE JOIN US FOR

The Annual ADS Awards Banquet

Tuesday April 24th, 2018

Bost Building B

6:30 pm

Tickets are Free, but Required for Admission

Pick up tickets in Wise 4025 on April 2nd

WATCH THE FEATURED BAND CRAWLIN' CALEB'S BLUES REVIEW
ON FACEBOOK: [HTTPS://WWW.FACEBOOK.COM/SEARCH/TOP/?
Q=CALEB%27S%20CRAWLIN%27%20REVIEW](https://www.facebook.com/search/top?q=CALEB%27S%20CRAWLIN%27%20REVIEW)

Upcoming Events

BEEF EXTENSION - DR. BRANDI KARISCH & COBIE RUTHERFORD

- March 15-17- MSU Spring Artificial Insemination School



EQUINE EVENTS - DR. CLAY CAVINDER

- March 24 Hands on Horses
- March 27 - May 1 Horse Management 101
- June 1-3 MSU Horse Judging Camp



4-H EVENTS - DR. DEAN JOUSAN

- March TBD - State 4-H Dairy Judging Contest, MSU Bearden Dairy, Starkville



DAIRY EVENTS - DR. AMANDA STONE

- Upcoming programs and publications are online at <http://extension.msstate.edu/dairy>
- For more info, contact Dr. Stone at amanda.stone@msstate.edu



2018 Refereed Publications

Owen, M.P.T., K.J. McCarty, C.G. Hart, C.S. Steadman, **C.O. Lemley**. Endometrial blood perfusion as assessed using a novel laser Doppler technique in Angus cows. *Animal Reproduction Science*. 190 (2018) 119-126. <https://doi.org/10.1016/j.anireprosci.2018.01.015>.

Feugang, Jean M. , Shengfa F. Liao, Scott T. Willard, and Peter L. Ryan. In-depth proteomic analysis of boar spermatozoa through shotgun and gel-based methods. *BMC Genomics*. (2018) 19:62 DOI 10.1186/s12864-018-4442-2.

Liao, Shengfa F., Naresh Regmi, Guoyao Wu. Homeostatic Regulation of Plasma Amino Acid Concentrations. *Frontiers in Bioscience, Landmark*. 23, 640-655, January 1, 2018.

2018 Book Chapters: