

• Teaching • Research • Extension • Departmental Activities



Hinds County Producers

## Hinds County Forage Field Day A Success!



Submitted by Cobie Rutherford

Over 50 producers convened in Utica, MS at Irvin's Farm for the Hinds County Forage Field Day on May 12. Producers had the opportunity to gain knowledge in the areas of NRCS programs, weed control, soil fertility, legume management, hay introduction, grazing strategies and heifer development. Dr. John Byrd, Dr. Keith Crouse, Mr. Murray Fulton and **Mr. Cobie Rutherford** participated in the program. Thank you to Mr. George Irvin for allowing the use of the facilities at his farm. This was a collaboration between MSU Forage Extension Program, The Center for Forage Management & Environmental Stewardship, Hinds County Extension Office, Hinds County USDA-NRCS Field Office and Hinds County Soil & Water Conservation District.



Mississippi State University

# Beef Unit

Field Day

- **May 21, 2016**  
**9:00 a.m. - Noon**
- **MSU Beef Unit**  
60 Beef Unit Road, Mississippi State, MS
- **Featuring**  
Research program updates  
Breeding program highlights
- **For More Information**  
[Extension.msstate.edu/content/MSU-Beef-Unit](http://Extension.msstate.edu/content/MSU-Beef-Unit)



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ANIMAL AND DAIRY SCIENCES



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FORESTRY EXPERIMENT STATION



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EXTENSION

**MAKE PLANS TO  
SPEND THE DAY  
ON CAMPUS!**

## FARM TOURS

Opportunities to tour the beef, horse, and dairy units after the field day.

## BLOCK AND BRIDLE and JUDGING TEAM ALUMNI MEETING

At the Beef Unit, following lunch.

## BASEBALL

Stick around for baseball at 5:00 p.m. vs. Arkansas! Beef Day at the Ball Park, and an alumni tent will be set up in left field.

## RSVP FOR LUNCH

662-325-3516  
[m.quinn@msstate.edu](mailto:m.quinn@msstate.edu)





# Alumni Meetings

Submitted by Dr. Trent Smith



Along with beef cattle producers from across the state, the Block and Bridle and Livestock judging team will be hosting their annual ADS Alumni meeting on Saturday, May 21st.

## Activities

- ▶ Farm Tours
- ▶ Lunch
- ▶ Alumni Meeting
- ▶ Tailgating
- ▶ MSU Baseball Game

## Livestock Judging Team of 1937

(Pictured below)

Photo provided by Brenda Boubout. Her father is Prentiss Hartley, on the right.



## LIVESTOCK JUDGING



MISSISSIPPI STATE  
LIVESTOCK JUDGING TEAM  
1937

Pictured from left to right. Professor Henry Leveck (Coach), Jones E. (Red) Bowden, Cecil Black, French Woods, Charlie Jones, George Harris, Haley Dandridge and Prentiss Hartley.

MISSISSIPPI STATE UNIVERSITY

# BLOCK AND BRIDLE CLUB

# MSU Staff Appreciation Day

Submitted by Tim Armstrong



Here are some photos of the ADS Meat Science Crew in action.



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**Animal and Dairy**  
SCIENCES





# Meat Lab Caters Wedding

Submitted by Tim Armstrong



On Saturday, May 14th, the ADS Meat Lab catered their first wedding. The crew included James Cannon, Joseph Mangano, Tim Armstrong and Grad Student, Anuraj Sukumaran. They served a roasted whole hog and it was a hit with the wedding party.



# Ph.D. Seminar—Ashleigh Muth-Spurlock

Submitted by Dr. Jamie Larson



Monday June 6, 2016

12:00 Wise 4043

Defense to follow in Wise 4044

*Follicular waves and their impact on the dominant follicle, uterus, and subsequent pregnancy rates in beef cattle*





# Farewell

Submitted by Dr. Stephanie Ward



Colleagues,

As many of you know or have heard, I have accepted a position with North Carolina State University and will start there this fall. The position is 70% extension, 30% research, which is an appointment change I have been interested in for a while. I want you all to know how much I have enjoyed working with you and look forward to future collaborations. The faculty and staff in this department are like family to Jason and I, and we will miss all of you. This decision was a tough one to make, I have enjoyed my time here and really do cherish all the relationships we have built at this University, but this is a chance to go home and serve the people where I grew up. Jason and I both would appreciate your thoughts and prayers as we make this transition.

Thanks

Stephanie

(Dr. Ward will be here until mid-August)



We will  
miss you,  
Stephanie!

## 2016 Refereed Publications:

- Mayer, J. J., J. D. Davis, J. L. Purswell, E. J. Koury, N. H. Younan, **J. E. Larson**, and T. M. Brown-Brandl. 2016. Development and characterization of a continuous tympanic temperature logging (CTTL) probe for bovine animals. *Transactions of the ASABE*. 59:703-714. (DOI: 10.13031/trans.59.11367).
- Gilfeather, CL and **CO Lemley**. 2016. Effects of Interferon-Tau and Steroids on Cytochrome P450 Activity in Bovine Endometrial Epithelial Cells. *Reproduction in Domestic Animals*, 51, 415–420 (2016); doi: 10.1111/rda.12695.
- Prezotto, L. D., L. E. Camacho, **C. O. Lemley**, F. E. Keomanivong, K. A. Vonnahme and K. C. Swanson, J. S. Caton. Nutrient restriction and realimentation in beef cows during early and mid-gestation and maternal and fetal hepatic and small intestinal in vitro oxygen consumption. *The Animal Consortium* 2015. doi:10.1017/S1751731115002645.
- Ye, G., J. Liu, Y. Liu, X. Chen, **S. F. Liao**, D. Huang, and K. Huang. 2016. Feeding glycerol-enriched yeast culture improves lactation performance, energy status, and hepatic gluconeogenic enzyme expression of dairy cows during the transition period. *J. Anim. Sci.* doi: 10.2527/jas.2015-0021.
- Cline, G. F., A. M. Muth-Spurlock, B. E. Voelz, **C. O. Lemley**, and **J. E. Larson**. 2016. Evaluating blood perfusion of the corpus luteum in beef cows during fescue toxicosis. *J. Anim. Sci.* 94:90-95.
- Brockus, K. E., C. G. Hart, C. L. Gilfeather, B. O. Fleming, **C. O. Lemley** (2016). Dietary melatonin alters uterine artery hemodynamics in pregnant Holstein heifers. *Domestic Animal Endocrinology*, 55, 1-10.
- Kaya, A., **E. Memili**. Sperm macromolecules associated with bull fertility. *Animal Reproduction Science*. (2016), <http://dx.doi.org/10.1016/j.anireprosci.2016.02.015>
- Hunt, M.R., J.F.Legako, **T.T.N. Dinh**, A.J.Garmyn, T.G.O'Quinn, C.H. Corbin, R.J. Rathmann, J.C. Brooks, M.F. Miller. Assessment of volatile compounds, neutral and polar lipid fatty acids of four beef muscles from USDA Choice and Select graded carcasses and their relationships with consumer palatability cores and intramuscular fat content. *Meat Science* 116 (2016) 91–101.
- Keomanivong, F. E., **C. O. Lemley**, L. E. Camacho, R. Yunusova, P. P. Borowicz, J. S. Caton, A. M. Meyer, K. A. Vonnahme and K. C. Swanson. Influence of nutrient restriction and melatonin supplementation of pregnant ewes on maternal and fetal pancreatic digestive enzymes and insulin-containing clusters. *Animal* (2016), 10:3, pp 440–448.
- Brockus, KE, CG Hart, BO Fleming, T Smith, **SH Ward** and **CO Lemley**. Effects of Supplementing Holstein Heifers with Dietary Melatonin during Late Gestation on Growth and Cardiovascular Measurements of their Offspring. *Reproduction in Domestic Animals*. 51, 240–247 (2016); doi: 10.1111/rda.12672 ISSN
- Vasquez, Erick S., **Jean M. Feugang**, **Scott T. Willard**, **Peter L. Ryan** and Keisha B. Walters. Bioluminescent magnetic nanoparticles as potential imaging agents for mammalian spermatozoa. *Journal of Nanobiotechnology*. (2016) 14:20.