

IN THIS ISSUE:

EQUESTRIAN TEAM SUCCESSFUL PERFORMANCE

 HOLIDAY MEAT SALE
 SUCCESSFUL DAIRY BREAKFAST
 HORSE SALE
 TRAIL CLINIC
 BCIA FALL MEETING
 UPCOMING EVENTS & PUBLICATIONS

Equestrian Team Successful Performance



Mississippi State University Equestrian Team added 3 new photos.

•••

October 30 at 1:59pm · 🚱

The equestrian had an outstanding performance this weekend! The western team finished up 3rd overall for both of the competitions, and Mary Claire Cornett was named high point rider overall. The team also earned two more spots to compete at the regional championships! Individual placings were: Mary Claire Cornett 1st and 3rd open horsemanship Mary Claire Cornett 2nd and 3rd reining Anna Claire Tucker 4th and 4th open horsemanship Hart Daniels 3rd and 5th open and advanced horsemanship Tatem Reynolds 5th and 5th novice horsemanship Madison Eckloff 3rd and 4th int 2 horsemanship Juliann Scott 5th int 2 horsemanship Taylor McNair 1st int 2 horsemanship Savannah Yonge 4th int 2 horsemanship Ashley Ackerman 5th int 2 horsemanship Alex Blackburn 2nd and 2nd int 1 horsemanship Ashley Beyer 6th beginner horsemanship Joshua Bryant 5th beginner horsemanship Kaitlyn Laurent 5th beginner horsemanship

Holiday Meat Sale



Successful Dairy Breakfast on the Farm

Horse Sale

MSU Horse Sale Bid November 24-26, 2017

Viewing at Horse Unit Open House 11/18 from 9-11 am

Athleticism

Quality

Versatility





Facebook: Mississippi State University Horse Unit Contact: Ashley Shiffler - (580) 795-4349 - aes779@msstate.edu Quick, Convenient Bidding At AUCTION.MSUCARES.COM Bidding begins at 8 am the 24th and closes at 8 pm the 26th

Trail Clinic

Trail Clinic

Saturday, December 2, 2017

Prepare- Practice - Accomplish 49 Equine Arena 2285 Hwy 49 South, Florence, MS

Shawn Hays: AQHA/NSBA Judge

2 sessions: Youth 9am-noon; Adults 1pm-4pm \$60 per person: 8 spots available for each session deadline to register & pay is November 20th

There will be a waiting list for each group in case we have cancellations, but money must be sent in by deadline

for more information contact Katrina Owens 662-746-2453/ katrina.owens@msstate.edu



We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by here the status of the s

MISSISSIPPI STATE UNIVERSITY-EXTENSION

Mississippi State University Extension will provide reasonable accommodations to persons with disabilities or special needs. Please contact the Yazoo County office of MSU Extension at 662-746-2453 prior to a program or event to request reasonable accommodation

Grad Students Having Some Fun This Halloween

BCIA Fall Meeting



Mississippi State University Extension Beef

Like This Page · November 3 · 🚱

Thanks Dr. Josh Maples for speaking on cattle markets at the Mississippi BCIA Fall meeting.



Agricultural Agents Communication Awards

MISSISSIPPI ASSOCIATION OF COUNTY AGRICULTURAL AGENTS COMMUNICATION AWARDS COMMITTEE **2017 ANNUAL REPORT** Mississippi Association of County Agriculture Agents **Communication Awards Committee** 2017 Annual Report There were 54 entries submitted in 13 categories. The MACAA Communication Award Program Winners are listed below. **Communication Award Categories** Audio Recording 1" Gary Bachman **Published Photo/Caption Computer Generated** 1st Gary Bachman 1st Brandi Karisch 2nd Jason Barrett 2nd Rocky Lemus 2nd Brady Self 3rd Brandi Karisch 3rd Ruby Rankin Program Promotional 1" Jason Barrett Personal Column 1st Cobie Rutherford Feature Story 1st Pat Drackett 2nd Cobie Rutherford 2nd Pat Drackett 2nd Alex Deason 3rd Brandi Karisch 3rd Gary Bachman 3rd Jason Barrett Ind. Newsletter Team Newsletter 1st Eddie Smith Video Recording 1st Rocky Lemus 1st Gary Bachman 2nd Pat Drackett 2nd Cobie Rutherford 2nd Jason Barrett 3rd Heather Jennings 3rd Thomas Brewer 3rd Brandi Karisch Fact Sheet 1st Jason Barrett Publication Web Site 1st Rebecca Melanson 1st Craig Hankins 2nd Heather Jennings 2nd Brady Self 2nd Brandi Karisch 3rd Brandi Karisch 3rd David P. Russell 3rd Cobie Rutherford Learning Module/Notebook 1st Brady Self Specialist/District Communicators of the Year Northeast Region: Trent Barnett Delta Region: Craig Hankins Southwest Region: Heather Jennings Coastal Region: Eddie Smith Specialist: Jason Barrett State Communicator of the Year: Jason Barrett

Regional Finalist:

National Finalist:

Computer Generated Graphic Published Photo and Caption Brandi Karisch

Gary Bachman

Gary Bachman

Audio Recording

Welcome Baby Lemley!



Congratulations to the Lemley family on their newest arrival. Neil Miner Lemley arrived October 31st at 5:44 PM. He weighed 6 lbs 12 oz and was 20.5 inches long.

Upcoming Events

BEEF EXTENSION - DR. BRANDI KARISCH & COBIE RUTHERFORD

 Mississippi State University Artificial Insemination School, October 26-28, Animal and Dairy Sciences Department, Mississippi State, MS
 Grass Fed Beef Conference, Purvis, December 7-8

EQUINE EVENTS - DR. CLAY CAVINDER

- Upcoming programs and publications are online at http://extension.msstate.edu/agriculture/livestock/equine/upcoming-programs

- For more info, contact Dr. Cavinder at clay.cavinder@msstate.edu

4-H EVENTS - DR. DEAN JOUSAN

- For publications and upcoming events go to: http://extension.msstate.edu/4-h
- Or contact Dr. Dean Jousan at dj230@msstate.edu

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







2017 Refereed Publications

- Kutchy, N.A., E. S. B. Menezes, A. Chiappetta, W. Tan, R. W. Wills, A. Kaya, E. Topper, A. A. Moura, A. D. Perkins,
 E. Memili. Acetylation and methylation of sperm histone 3 lysine 27 (H3K27ac and H3K27me3) are associated with bull fertility. *Andrologia*. 2017;e12915. https://doi.org/10.1111/and.12915.
- Durfey, Casey L., Derris D. Burnett, Shengfa F. Liao, Christy S. Steadman, Mark A. Crenshaw, Henry J. Clemente, Scott T. Willard, Peter L. Ryan, Jean M. Feugang. Nanotechnology-based selection of boar spermatozoa: growth development and health assessments of produced offspring. *Livestock Science*. 205 (2017) 137-142. http:// dx.doi.org/10.1016/j.livsci.2017.09.024
- Liao, Shengfa F., Martin Nyachoti. Using probiotics to improve swine gut health and nutrient utilization. *Animal Nutrition*. (2017) 1-13. http://dx.doi.org/10.1016/j.aninu.2017.06.007.
- Kutchy, Naseer A., Ana Velho, Erika S. B. Menezes, Marie Jacobsen, Giselle Thibaudeau, Arlindo Moura, Abdullah Kaya, Andy Perkins, and Erdogan Memili, Robert W. Wills. Testis specific histone 2B is associated with sperm chromatin dynamics and bull fertility-a pilot study. *Journal of Reproductive Biology and Endocrinology*. (2017) 15:59. DOI 10.1186/s12958-017-0274-1.
- Lemley, Caleb O. Investigating reproductive organ blood flow and blood perfusion to ensure healthy offspring. Animal Frontiers. doi:10.2527/af.2017-0124.
- Keomanivong, F. E., L. E. Camacho, C. O. Lemley, E. A. Kuemper, R. D. Yunusova, P. P. Borowicz,
 J. D. Kirsch, K. A. Vonnahme, J. S. Caton and K. C. Swanson. Effects of realimentation after nutrient restriction during mid- to late gestation on pancreatic digestive enzymes, serum insulin and glucose levels, and insulin-containing cell cluster morphology. *Journal of Animal Physiology and Animal Nutrition*. 101 (2017) 589–604. DOI: 10.1111/jpn.12480.
- Menezes, E.B., R.V. de Oliveira, M.F. van Tilburg, E.A. Barbosa, N.V. Nascimento, A.L.M.C.S. Velho, F.B. Moreno, R.A. Moreira, A.C.O. Monteiro-Moreira, G.M.C. Carvalho, A.F. Ramos, E. Memili, A.A. Moura.
 Proteomic analysis of seminal plasma from locally-adapted "Curraleiro Pé-Duro bulls" (Bos taurus): identifying biomarkers involved in sperm physiology in endangered animals for conservation of biodiversity. *Animal Reproduction Science*. http://dx.doi.org/10.1016/j.anireprosci.2017.05.014.
- Cavinder, C. A., A. Sear, R. Valdez, L. White. Utilization of Social Media as a Marketing Tool for Equine Businesses: An Exploratory Study. North American Colleges and Teachers of Agriculture Journal. June 2017, Vol 61(2).
- Gastal, G. D. A., A. Hamilton, B. G. Alves, S. G. S. de Tarso, J. M. Feugang, G. A. Apgar, C. K. Nielsen, E. L. Gastal, W. J. Banz. Ovarian features in white-tailed deer (Odocoileus virginianus) fawns and does. *PLOS ONE*. 12 (5):30177357. https://doi.org/10.1371/journal.pone.0177357.

2017 Refereed Publications:

- Aguiar, F.L.N., G.D.A. Gastal, G.M. Ishak, M.O. Gastal, D.I.A. Teixeira, J.R. Figueiredo, E.L. Gastal, J.M. Feugang. Effects of FSH addition to an enriched medium containing insulin and EGF after long-term culture on functionality of equine ovarian biopsy tissue. *Theriogenology* 99 (2017) 124-133.
- Feugang, Jean M. Novel agents for sperm purification, sorting and imaging. Molecular Reproduction Development. 2017. 9999:1-10. DOI: 10.1002/mrd.22831.
- Borchers, M. R., Y. M. Chang, K. L. Proudfoot, B. A. Wadsworth, A. E. Stone, and J. M. Bewley. Machine-learning-based calving prediction from activity, lying, and ruminating behaviors in dairy cattle. *Journal of Dairy Sciences*, Vol.100:1-11. 2017. https://doi.org/10.3168/jds.2016-11526.
- Lemley, C. O. and K. A. Vonnahme. PHYSIOIOGY AND ENDOCRINOLOGY SYMPOSIUM: Alterations in uteroplacental hemodynamics during melatonin supplementation in sheep and cattle. *Journal of Animal Science* 2017.95:2211-2221. doi:10.2527/jas2016.1151.
- Gastal, G.D.A., F.L.N. Aguiar, B.G. Alves, K.A. Alves, S.G.S. de Tarso, G.M. Ishak, C.A. Cavinder, J.M. Feugang, E.L. Gastal. Equine ovarian tissue viability after cryopreservation and in vitro Culture. *Theriogenology* 97 (2017) 139-147.
- Maki, C R, S Allen, M Wang, SH Ward, BJ Rude, HR Bailey, RB Harvey and TD Phillips. Calcium Montmorillonite Clay for the Reduction of Aflatoxin Residues in Milk and Dairy Products. *Journal of Dairy and Veterinary Sciences*. 2017; 2*3): 555587.
- Regmi, N., T. Wang, M. A. Crenshaw, B. J. Rude, S. F. Liao. Effects of dietary lysine levels on the concentrations of selected nutrient metabolites in blood plasma of late-stage finishing pigs. *Journal of Animal Physiology and Animal Nutrition.* 2017; 1-7. DOI: 10.1111/jpn.12714.
- Wang, Taiji, Jean M. Feugang, Mark A. Crenshaw, Naresh Regmi, John R. Blanton Jr. and Shengfa F. Liao. A Systems Biology Approach Using Transcriptomic Data Reveals Genes and Pathways in Porcine Skeletal Muscle Affected by Dietary Lysine. International Journal of Molecular Sciences (2017) 18, 885.
- Cain, Amanda J., Caleb O. Lemley, F. Kevin Walters, David L. Christiansen, E. Heath King, Richard M. Hopper. Prebreeding beef heifer management and season affect mid to late gestation uterine artery hemodynamics. *Theriogenology* 87 (2017) 9–15.
- Jones, Barbara W., Amanda E. Stone, Connie L. Wood, Kristen J. McQuerry, Joey D. Clark, Denise L. Ray, and Jeffrey M. Bewley, PAS. Case Study: Characterization of milk yield, lying and rumination behavior, gait, cleanliness, and lesions between 2 different freestall bases. *The Professional Animal Scientist* 33:140–149. https://doi.org/10.15232/ pas.2016-01548.
- Stone, A. E., B. W. Jones, C. A. Becker, and J. M. Bewley. 2017. Influence of breed, milk yield, and temperaturehumidity index on dairy cow lying time, neck activity, reticulorumen temperature, and rumination behavior. *Journal* of Dairy Sciences 100:1–9. https://doi.org/10.3168/jds.2016-11607.
- Hodge, Lauren B., Brian J. Rude, Thu N. Dinh, Caleb O. Lemley. Effect of u-3 Fatty Acid Supplementation to Gestating and Lactating Mares: On Milk IgG, Mare and Foal Blood Concentrations of IgG, Insulin and Glucose, Placental Efficiency, and Fatty Acid Composition of Milk and Serum From Mares and Foals. *Journal of Equine Veterinary Science* 51 (2017) 70–78.

