



ANIMAL & DAIRY SCIENCES NEWSLETTER

MISSISSIPPI STATE UNIVERSITY
APRIL 13, 2018 | VOLUME 83



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Empowering Small Ruminant Producers!

Empowering Small Ruminant Producers

Small Ruminant Production Workshop was held at Mississippi State University on March 17, 2018. The goals of the workshop were to provide basic information related to the production of small ruminant livestock to participants. The speakers empowered the participants in key



areas including marketing, budgeting, forages, parasite control, breed selection, reproduction, poisonous plants, and carcass breakdown for selling sheep and goat meat products. In addition to the presentations, the program also included a producer panel that provided real time hands on testimonials on production in our state as well as a display of the various forage species that can be grown in our state for small ruminant production.

This event was organized by Rocky Lemus of the Department of Plant and Soil Science and Kipp Brown and Erdogan Memili of the Department of Animal and Dairy Sciences. The workshop was attended by goat and sheep producers from across Mississippi as well as a few producers from other states including Alabama, California, and Louisiana. Information about small ruminant production agriculture and the workshop can be found at the extension website under Agriculture/Livestock/goats and sheep (<http://extension.msstate.edu/agriculture/livestock/goats/publications#pp>) and at the MS Forages website (<http://mississippiforages.com>).

This event was a collaboration of Mississippi State University Extension Service (MSU-ES), Mississippi Agriculture and Forestry Experiment Station (MAFES), Mississippi Farm Bureau (MFB), Southern Sustainable Agriculture Research & Extension (SSARE), USDA-Natural Resource Conservation Service (USDA-NRCS), USDA-Farm Service Agency (USDA-FSA), Mississippi Soil and Water Conservation Commission (MSWCC), and the Mississippi State Center for Forage Management and Environmental Stewardship (CFMES).



Dairy Judging Contest

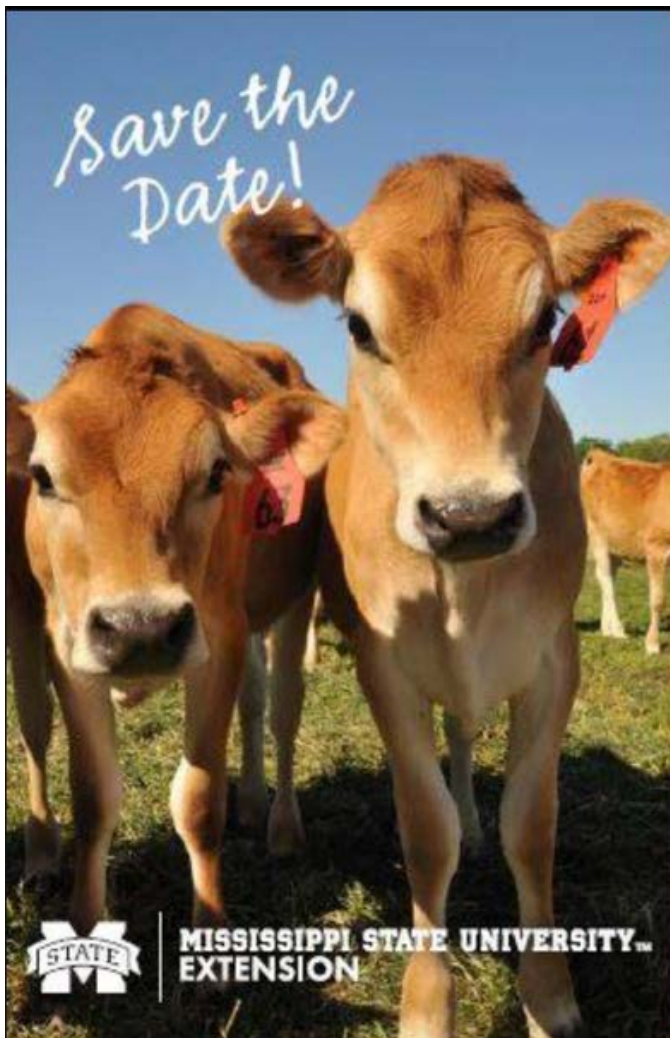
The dairy judging contest held at the MSU Bearden Dairy. There were approximately 120 4-H and FFA youth who participated in the dairy judging contest. The winning senior 4-H team was from Hinds 4-H. Team members included August Ann Thornton, Skylar Noblin-Laminack, Ken Hall, and John Ryan Soignier.

This team will represent Mississippi at the 2018 National 4-H Dairy Judging Contest in Louisville, KY, this November.

There was a tie for high point individual between Skylar Noblin-Laminack, Hinds 4-H, and Lana Estes, Union 4-H. Skylar had a better reasons score and won the tie breaker to be the high point senior individual. Thank you to everyone who played a role in the success of this contest.



Breakfast on the Farm



Breakfast on the Farm

BEARDEN DAIRY RESEARCH CENTER
2128 Turkey Creek Road, Starkville, MS 39759

SEPTEMBER 27 & 28 | 9 A.M.-NOON
open to school groups & field trips

SEPTEMBER 29 | 9 A.M.-NOON
open to the public & families

EDUCATIONAL ACTIVITIES
FOR ALL AGES

DAIRY TOUR

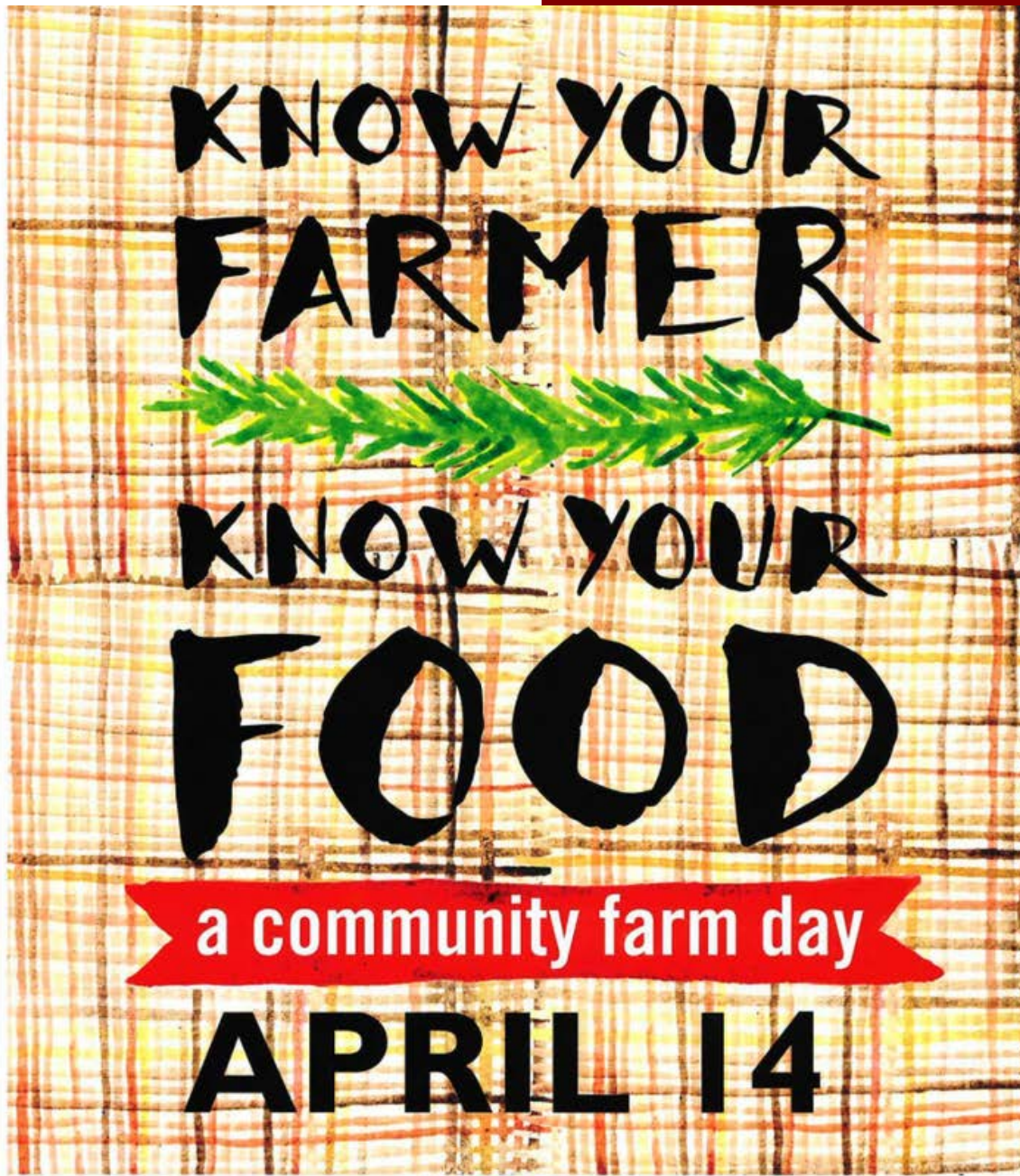
ANATOMY & DISSECTION ACTIVITIES

MILK A COW

Registration for a designated date & time will be *required*. Registration opens this fall.

For more information, contact Amanda Stone at amanda.stone@msstate.edu

Know Your Farmer



9:00-11:00am

FIRE STATION PARK
DOWNTOWN STARKVILLE

EXHIBITS
DEMONSTRATIONS
HANDS-ON ACTIVITIES
FARMERS MARKET

visit.starkville.org

PRESENTED BY



ADS Alumni Weekend

Save the Date
April 27 - 28, 2018



2018 ADS Alumni Weekend & Field Day

We would like to invite you to the 2018 Animal and Dairy Sciences alumni weekend and Field Day. We are excited about what we have going on in the Department and would like to share it with you. We have two days of events planned that will allow you time to catch up with old friends, meet new students in the program and see some of the latest research we have going on at each unit.

For more details please visit ads.msstate.edu/workshops/alumni-reunion to register. Please register by April 13, 2018.

Purchase your baseball tickets at www.hailstate.com or call 888-GO-DAWGS

Agenda

Friday, April 27th

6:30 p.m. South Farm Hoe-Down at the Beef Unit (Crawfish and live music)

Saturday, April 28th

9:00 - 12:00 p.m. MSU Beef, Equine, and Dairy Unit Field Day

12:00 p.m. Lunch at Beef Unit

1:00 p.m. Tour of the new MSU Meat Laboratory

Block & Bridle and Judging Team Alumni Meeting @ Beef Unit following tour

5:00 p.m. Tailgating for MSU vs. TAMU (Game at 6:30)

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)

American National Cattle Women



Sara Terrell



Admin · April 5 at 11:34am

Female members of Cattlemen's:

If you are interested in becoming more involved in the American National CattleWomen's (ANCW) and are wanting to do more for the beef industry here in the state and nationally, please contact me to get more information!

Phone: 601-754-5599

Email: set196@msstate.edu

Events and Programs:

- Women in Ranching (tours, education, training and more): Decatur, TX. May 26th-27th, 2018
- NCBA Convention and Tradeshow: New Orleans, LA. Jan. 30th-Feb. 1st, 2019
- Collegiate Beef Advocacy Program
- Leadership Certification Program
- Ag in the Classroom



Like



Comment

Horseman's Assoc.

Horseman's Association spent this past Saturday putting on an open horse show at the Louisville Coliseum. Show started at 1 pm and consisted of halter, pleasure, gaited, and speed event classes. In addition to the classes, club members also organized opening ceremonies with club members on horseback carrying flags and intermissions between classes filled with guest speakers and musical chairs. The show was the first show hosted by the club and was a joint fundraiser with the Golden Triangle Horse Rescue, who manned the concessions stand. Along with club members running the show, students from ADS 3223 Horse Management volunteered their time assisting with the show.



Upcoming Events

Upcoming Events

BEEF EXTENSION - DR. BRANDI KARISCH & COBIE RUTHERFORD

- April 5 to 6 Southeast Cattle Handling for Women Producers



EQUINE EVENTS - DR. CLAY CAVINDER

- June 1-3 MSU Horse Judging Camp



4-H EVENTS - DR. DEAN JOUSAN

-May 19: 4-H Livestock Judging Contest, MSU South Farm



DAIRY EVENTS - DR. AMANDA STONE

-August 25: Ice cream and a Moo-vie
-September 20-21: Calf College
-September 27-29: Breakfast on the Farm
- For more info, contact Dr. Stone at amanda.stone@msstate.edu



2018 Refereed Publications

- Gastal, G.D.A., **J.M. Feugang**, F.L.N. Aguiar, A.P.R. Rodrigues, J.M. Scimeca, G.A. Apgar, W.J. Banz, E.L. Gastal. Cryopreservation and in vitro culture of white-tailed deer ovarian tissue. *Theriogenology*. 113 (2018) 253-260.
- Velho, Ana Luiza Cazaux, Eiko Topper, Erika Menezes, **Thu Dinh**, Abdullah Kaya, Arlindo Alencar Moura, **Erdogan Memili**. Metabolomic markers of fertility in bull seminal plasma. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0195279>.
- Owen, MPT, EN Ferjak, **CA Cavinder**, KJ McCarty, KC Yankey, CG Hart, **DD Burnett**, **TTN Dinh**, **CO Lemley**. Effects of body condition score (BCS) on steroid- and eicosanoid- metabolizing enzyme activity in various mare tissues during winter anoestrus. *Reproduction in Domestic Animals*. 2018;53:296–303. <https://doi.org/10.1111/rda.13104>.
- Park, Seong B., **Scott T. Willard**, Christy S. Steadman, Atul A. Chaudhari, Shreekumar R. Pillai, Shree R. Singh, **Peter L. Ryan** and **Jean M. Feugang**. Proteomic analysis of antimicrobial effects of pegylated silver coated carbon nanotubes in Salmonella enterica serovar Typhimurium. *Journal of Nanobiotechnology*. (2018) 16:31 <https://doi.org/10.1186/s12951-018-0355-0>.
- Cavinder, C. A., PAS, E. N. Ferjak, C. A. Phillips, D. D. Burnett, and T. T. N. Dinh**. REVIEW: The importance of overall body fat content in horses. *The Professional Animal Scientist* 34:125–132. <https://doi.org/10.15232/pas.2017-01708>.
- Sukumaran, Anuraj T., Alexander J. Holtcamp, April K. Englishbey, Yan L. Campbell, Taejo Kim, Mark W. Schilling, **Thu T.N. Dinh**. Effect of deboning time on the growth of Salmonella, E. coli, aerobic, and lactic acid bacteria during beef sausage processing and storage. *Meat Science* 139 (2018) 49–55.
- Wang, T., **M. A. Crenshaw**, N. Regmi, **B. J. Rude**, M. S. Hasan, A. T. Sukumaran, **T. Dinh**, and **S. F. Liao**. 2018. Effects of dietary lysine level on the content and fatty acid composition of the intramuscular fat in late-stage finishing pigs. *Canadian Journal of Animal Science*. 98: 241-249. DOI: [dx.doi.org/10.1139/cjas-2017-0083](https://doi.org/10.1139/cjas-2017-0083).
- 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:

- Jain, Sapna, Seong B. Park, Shreekumar R. Pillai, **Peter L. Ryan**, **Scott T. Willard** and **Jean M. Feugang**. Applications of Fluorescent Quantum Dots for Reproductive Medicine and Disease Detection. In *Unraveling the Safety Profile of Nanoscale Particles and Materials—From Biomedical to Environmental Applications*, Chapter 6, pp. 133-148, <http://dx.doi.org/10.5772/intechopen.72978>.