



Friday Notes from *MSSTATE Poultry Science*

Friday Notes - to keep you informed about noteworthy news from Poultry Science at Mississippi State....and let us hear from you as well!

Faculty and Staff Travel and Activities:

- **Dr. Peebles** judged oral presentations at the Undergraduate Research Symposium, where
 - **Amanda Ates**, poultry science major and technician in **Dr. Sharma's** lab, presented a poster entitled, "*Salmonella enterica* in Retail Poultry Products: Prevalence and Antibiotic Resistance of Isolated Serotypes," April 3.
- **Drs. Tabler** and **Farnell** visited farms at Waynesboro to collect litter and dust samples, March 31-April 2.
- **Mrs. Wells** and **Dr. Wamsley** took the Poultry Judging Team to the 67th USPOULTRY National Poultry Judging Contest in Baton Rouge, LA, April 2-4, with the following terrific results - congratulations!
 - **Carrie Abel** - 4th high individual in production; 10th high individual overall;
 - **Team (Carrie Abel, Holli Nutt, Charlotte Chesnut, Twain Womack) Awards**
 - 3rd place in production
 - 3rd place in market products
- **Dr. Farnell** coordinated the FFA Poultry Judging Contest in Hill Poultry Science, April 4, assisted by **Dr. Tabler, Sharon Womack, Yvonne Wooten, Tannah Christensen, Dr. Holly Parker, Dr. McDaniel, Dr. Kiess, Mary Ann Ballard, Sharon Womack, Melissa Triplett**, and undergrads **Courtney Wade, Dana Dittoe, Carlton Coleman, Cole Rogers, Alex Tran, Angela Cox, Kayla Cobb, Jeffrey Davis, Sam Adams, Alisha Moore, Josh Striplin, Jared Chandler, Christopher Curtis, Jeffrey Baker, William Hillhouse, Gary Holcomb, Michaela Johnson, Julie Myers, Kacey O'Donnell, Carlissa Pettigrew, Josh Striplin, Mitchell Wooten, and Cole McPherson.**

Recent Publications:

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, **Morgan Farnell**, and **Jessica Wells**, "Deep Pectoral Myopathy (Green Muscle Disease) in Broilers, <http://msucare.com/pubs/infosheets/is1976.pdf>.
- Liu, X., J.A. Byrd, **M. Farnell**, and C.A. Ruiz-Feria, 2014. Arginine and vitamin E improve the immune response after a *Salmonella* challenge in broiler chicks, Poultry Sci. 93:882-890. <http://dx.doi.org/10.3382/ps.2013-03723>.

Remember:

- **Annual Crawfish Boil:** April 11, Hill Poultry Science, 3:30-until... It's the Friday of Super Bulldog Weekend, so plan to attend to tailgate before the 6:30pm baseball game against Ole Miss! If you think you might be able to attend, please let us know for planning purposes! If you decide at the last minute to attend, please just come on – you're all welcome!

Running Cumulative List of Scientific and Extension Publications, 2014

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, Yi Liang, **Jessica Wells**, and **Morgan Farnell**, “Windrow Composting Broiler Litter between Flocks,” <http://msucares.com/pubs/publications/p2818.pdf>.
- C.L. Williams, **G.T. Tabler** and S.E. Watkins, 2013. Comparison of broiler flock daily water consumption and water-to-feed ratios for flocks grown in 1991, 2000-2001, and 2010-2011. *J Appl Poultry Research*, 22:934-941. <http://dx.doi.org/10.3382/japr.2013-00767>
- Abstracts from the 2014 IPSF: <http://www.ippexpo.org/ipsf/docs/2014%20IPSF%20Abstracts.pdf>
 - M6 Detection of parthenogenesis in mated quail hens and its impact on fertilization
Priscila Santa Rosa*, **Holly Parker**, **Aaron Kiess**, **Chris McDaniel**
 - M9 Physiological responses of broiler hatchlings to commercial in ovo coccidiosis vaccine administered on days 18.5 and 19.0 of incubation
Adebayo Sokale*, **E. David Peebles**, **Wei Zhai**, Timothy S. Cummings, Christopher J. Williams
 - M24 Apparent ileal amino acid digestibility (AIAAD) of various animal by-product blends (ABB) in broilers aged 21 and 42 d of age
Cameron Cardenas*, Elizabeth Kim, Bob Hill, **Kelley Wamsley**
 - M36 Effects of limestone particle size in pullet diets on hen performance, bone mineral density and keel bone deformities in aviaries or conventional cages
Pamela Eusebio-Balcazar*, **Mary Beck**, Sheila Purdum
 - M48 Antimicrobial activity of carvacrol against Salmonella on turkey breast cutlets packaged under modified atmosphere
Divek V. T. Nair*, **Chander Shekhar Sharma**
 - M66 Effects of diet type and nutrient density from day 8 to 21 on bone morphology, breaking strength, and mineral density in male broilers
Xi Wang*, **E. David Peebles**, Mark Bricka, **Wei Zhai**
 - T137 Effects of dietary lysine and methionine supplementation on growth performance and meat yield of male broilers
Wei Zhai*, **E. David Peebles**, Wes Schilling, Yves Mercier
 - P205 Effects of the in ovo injection of 25-hydroxylcholecalciferol on the yolk characteristics of embryonated broiler hatching eggs
Nayara Pelici*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P206 Effects of the in ovo injection of 25-hydroxylcholecalciferol on serum calcium and phosphorous concentrations in broiler embryos
Midian Nascimento*, **Wei Zhai**, **Sharon Womack**, **E. David Peebles**
 - P211 Effects of the raising model on semen quality and fertility of male Sichuan White Geese
Anfang Liu*, Mingjun Chen, Jing Zhang, Wang Xi, Jie Liu, Xia Qiu, Hongpeng Ma, Wei Zhai
 - P212 Effects of single nucleotide polymorphism of H-FABP gene on carcass traits in Sichuan White Geese
Anfang Liu*, Shukai Yuan, Jing Zhang, Jie Liu, Xia Qiu, Hongpeng Ma
 - P235 The effect of varying the inclusion of two different anticoccidials into a commercial diet on D0-49 Ross 708 bird performance
Rosana Hirai*, Timothy Cummings, **Kelley Wamsley**
 - P241 Dietary Alterations with Live Coccidiosis Vaccine (LCV) Response and D0-46 Ross 708 Broiler Performance
Robert Sellers*, **Wei Zhai**, Carla Price, Phil Stayer, **Tom Tabler**, **Kelley Wamsley**.
- **Tom Tabler**, **Morgan Farnell**, **Jessica Wells**, **Haitham Yakout**, and Yi Liang, “Controlling Rodents on the Poultry Farm,” <http://msucares.com/pubs/publications/p2824.pdf>
- **Tom Tabler**, news release on litter sampling: <http://msucares.com/news/releases/14/nr20>.

- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, **Morgan Farnell**, and **Jessica Wells**, “Managing Manure from the Backyard Flock,” <http://msucares.com/pubs/infosheets/is1973.pdf>
- **H. M. Parker**, **A. S. Kiess**, **P. Santa Rosa**, and **C. D. McDaniel**, 2014. Selection for the parthenogenetic trait in Chinese Painted Quail (*Coturnix chinensis*) affects hatchability parameters. Poultry Science 93(3): 664-672
<http://dx.doi:10.3382/ps.2013-03527>
- **Tom Tabler**, Dustan Clark, Jonathan R. Moyle, **Jessica Wells**, and **Morgan Farnell**, “Composting Manure from Small Poultry Flocks,” <http://msucares.com/pubs/infosheets/is1975.pdf>
- **News Release - Tabler and Farnell:**
<http://www.wcbi.com/wordpress/okolona-poultry-farmer-learns-from-msu>