



## *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. Tabler** gave an invited presentation at the Association of Southern Feed, Fertilizer and pesticide Control Officials meeting in Montgomery AL, June 19; the title of his talk was, "Mississippi State Chemical Lab Benefits Mississippi's Poultry Industry."
- **Drs. Tabler** and **Farnell** scored paws, assessed and sampled litter, discussed water line configurations and volumes to improve water supply to drinkers and cool cells, for Peco Farms in Bay Springs, June 23-25.
- **Dr. Tabler** attended the NRCS Regional Conservation Partnership Program listening session in Brandon, MS, and visited a hen grower in Tylertown to assess housing and environmental conditions and discuss flock performance and management strategies, June 26.
- **Dr. Tabler** visited a broiler grower in Waynesboro to discuss addition of a gas chlorination and chemical pump system to improve water quality, June 27.
- **Donnie Zumwalt** gave a tour of the Poultry Farm to the Vardaman, MS, elementary summer program that is part of the Migrant Education Services Department of MSSTATE, June 27.

### *Congratulations to....*

- **Xi Wang**, Ph.D. student with **Dr. Zhai**, on the occasion of her marriage to Tony (Tongyi) Li in Chongqing, China, June 19<sup>th</sup>.

### *Recent Publication:*

- Jonathan Moyle, Jennifer Rhodes, Brigid McCrea, **Tom Tabler**, and Dustan Clark, "Rodent Control on Small Poultry Farms,"  
[www.poultry.msstate.edu/pdf/extension/rodents.pdf](http://www.poultry.msstate.edu/pdf/extension/rodents.pdf).

### ***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>
- **Tom Tabler**, F. Dustan Clark, Jonathan R. Moyle, **Morgan Farnell**, and **Jessica Wells**, “Deep Pectoral Myopathy (Green Muscle Disease) in Broilers,” <http://msucares.com/pubs/infosheets/is1976.pdf.3>
- 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>.
- **Tom Tabler**, **Morgan Farnell** and **Jessica Wells**, “Poultry Water Line Sanitation,” <http://msucares.com/pubs/publications/p2839.pdf>.