Livestock and Poultry Environmental (LPE) Learning Center
Educational Webcast Series
http://www.extension.org/animal+manure+management

Life-Cycle Assessment Modeling for the Pork Industry

July 20, 2012

2:30 pm (eastern), 1:30 pm (central), 12:30 pm (mountain), 11:30 am (pacific)

Do the pork industry's efforts to improve production and economics affect its greenhouse gas emissions and carbon foot print? Research by the University of Arkansas combined with efforts led by the National Pork Board indicates that increased production efficiencies have reduced the carbon footprint of each pound of pork produced. Following up on the June 15th, webcast, this webinar will present an overview of a research and extension project wherein the existing research-based carbon footprint model is refined and expanded. The project goal is to improve this model's ability to serve as a farm-level educational and decision aid tool that incorporates environmental, production, and economic concerns. The webcast will also highlight feed management concepts and ongoing research, which are major components of the project. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) will be submitted.*

Dr. Marty Matlock is a professor of ecological engineering and area director of Center for Agricultural and Rural Sustainability at the University of Arkansas. He is a Certified Senior Ecologist with the Ecological Society of America, and a Registered Professional Engineer (Texas). Matlock's research area is design and management of ecosystem services, with a focus on water resources. He serves as an Environmental Protection Commissioner for the Cherokee Nation, and as technical advisor on five international and corporate sustainability committees. He received his Ph.D. in Biosystems Engineering from Oklahoma State University. Phone: (479) 575-2849. Email: mmatlock@uark.edu

Dr. Brian Richert is an Associate Professor and Swine Extension Specialist in the Department of Animal Sciences at Purdue University. Dr. Richert's recent focus areas have been in bio-energy by-product utilization in swine diets, evaluating alternatives to feed grade antibiotics in nursery pigs, dietary manipulation to reduce nutrient excretion, odor, and gas emissions from swine manure and facilities, the optimal use of Paylean in grow-finish pigs, and alternative sow housing. He received his Ph.D. in Swine Nutrition from Kansas State University. Phone: (765) 494-4837. Email: brichert@purdue.edu

Dr. John "Scott" Radcliffe is an associate professor in the Animal Sciences Department at Purdue University. He has a primary research appointment and focuses on "environmental nutrition" in swine. The primary goal of his research is to improve production efficiency and minimize nutrient excretion from swine. His research ranges from applied on-farm experiments to basic experiments involving modified Using chambers and analysis of gene and protein expression. He received his Ph.D. from Virginia Tech in 2000. Phone: (765) 496-7718. Email: jradclif@purdue.edu

Dr. Karl VanDevender is a professional engineer in Arkansas and a professor in the University of Arkansas' Department of Biological and Agricultural Engineering. Since 1992, he has held an extension appointment with a focus on livestock and poultry manure management to address environmental and production concerns. Dr. VanDevender holds a B.S. and M.S. in Agricultural Engineering from Mississippi State University and a Ph.D. from the University of Arkansas. Karl will serve as the moderator for this webcast. Phone: (501) 671-2244; Email: kvan@uaex.edu

How Do I Participate?

On the day of the webcast, go to http://www.extension.org/pages/58813/ to download the speaker's power point presentations and connect to the virtual meeting room. First time viewers should also follow the steps at: http://www.extension.org/pages/8924.

Links For More Information:

* June Webcast on Producer Association Efforts to Address Carbon Footprints: Pork and Poultry www.extension.org/64440/
* Pork Checkoff's Environmental Sustainability Efforts http://www.pork.org/Resources/1219/EnvironmentalSustainability.aspx
* Animal Agriculture and Climate Change www.extension.org/60702/