



Linking Feed Management to Whole Farm Nutrient Management

October 17, 2014

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

Nutrients in feed is the primary source of Nitrogen, Phosphorus, and Potassium that is imported to livestock and poultry farms. This month's webcast will highlight a decision aid tool that follows the nutrients in feed all the way to the land application of manure for crop production. The tool is web based for ease of use and includes an economic component so that manure nutrients are valued. The design of the tool allows for quick comparison of different feeding strategies and the impacts they have on whole farm nutrient management. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) has been submitted.*



Dr. Joe Harrison is a faculty member of the Department of Animal Sciences at Washington State University and has been conducting research and demonstration projects related to feed management and whole farm nutrient management since the early 2000's. His projects include: precision nitrogen feeding, effect of potassium on milk fat in the early lactation cow, capture of phosphorus for off-farm transport, and efficiency of capture of manure nitrogen in crops as affected by manure source and method of application.

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Andrea Watson is finishing her Ph.D. currently with Dr. Galen Erickson in the Department of Animal Science at the University of Nebraska. Areas of research she is involved in include utilization of ethanol byproducts by the cattle industry and feedlot manure management. Projects include developing better estimates of mineral content of manure and anaerobic digestion of open lot manure. She has led the development and refinement of the beef FNMP\$ over the past 4 years. Andrea will be starting in a faculty position at the University of Nebraska in November, 2014. Phone: (402) 472-5196; Email: awatson3@unl.edu



Dr. Brian Richert is an Associate Professor and Swine Extension Specialist in the Department of Animal Sciences at Purdue University. He grew up on a small swine and crop farm in Sleepy Eye, MN and attended SDSU and KSU for his degrees. His research and Extension programs focus on nutrition and management issues related to the swine industry. 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, alternative sow housing, and quality assurance programs. Dr. Richert also co-authored the National Swine Nutrition Guide in 2010. Phone: (765) 494-4837; Email: brichert@purdue.edu

How Do I Participate?

On the day of the webcast, go to www.extension.org/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: www.extension.org/8924.

For More Information

* National Feed Management Project - <http://www.extension.org/8621>

* Pennsylvania Feed Management Project - <http://extension.psu.edu/animals/dairy/nutrient-management>