



Livestock and Poultry Environmental (LPE) Learning Center.

Educational Webcast Series

<http://www.extension.org/animal+manure+management>

## Advances in Precision Phosphorus Feeding

March 19, 2010

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

Better management of nutrients in feed leads to more efficient use of those nutrients, therefore a decrease in excreted nutrients. Improved efficiency means increased profitability and the opportunity for incentive payments. This webcast will include presentations based on a project to enhance “Precision Phosphorus Feeding of the Dairy Cow”. The project is an integrated approach to increase the adoption of precision phosphorus feeding on dairy farms. *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. Charlie Stallings**, after receiving his Ph.D. from Michigan State University, came to Virginia Tech as a Research Associate in the Dairy Science Department. His initial work was in the area of computerized ration formulation. In July of 1981, Dr. Stallings took the position of Extension Dairy Nutritionist and Assistant Professor. Educational programs were developed around ration formulation and general nutrition concepts. During his 30 years at Virginia Tech, he has continued working in the area of nutrition, forage quality, and more recently feeding to reduce nutrient output. Phone: (540) 231-3066 ; Email: [cstallin@vt.edu](mailto:cstallin@vt.edu)

**Dr. Bob James** received his Ph.D. in Dairy Science from Virginia Polytechnic Institute & State University, after which he worked as an Extension Specialist at West Virginia University. He returned to Virginia Tech where he was an associate professor for 18 years. Since 1998, Dr. James has been a professor in the Department of Dairy Science at Virginia Tech. His research includes: nutritional management of dairy calves, dairy calf raisers “calf colleges”, nutritional management of the pre- and post-partum dairy cow, dairy ration formulation, and precision ration formulation and delivery to improve nutrient management of the dairy farm. Phone: (540) 231-4770; Email: [jamesre@vt.edu](mailto:jamesre@vt.edu)



**Dr. Mark Hanigan** received his Ph.D. in Nutrition from the University of California – Davis in 1991. After receiving his Ph.D., he worked as a research scientist at Purina Mills, Inc. where he worked on modeling metabolism in the lactating animal with emphasis on nitrogen metabolism. Dr. Hanigan joined Virginia Tech as an Associate Professor in the Dept. of Dairy Science in 2005 where he works on nitrogen metabolism and modeling problems. The long-term objective of the work is to improve animal efficiency and reduce nitrogen and phosphorus excretion to the environment. Phone: (540) 231-0967; Email: [mhanigan@vt.edu](mailto:mhanigan@vt.edu)

### Join the Discussion

Before or after the webcast, ask questions, post comments, upload photos, or share you experiences with these topics by going to <http://animal.ning.com>. Click on “discussion” to start, contribute, or follow discussions that interest you most.

### How Do I Participate?

On the day of the webcast, go to [http://www.extension.org/pages/Live\\_Webcast\\_Information](http://www.extension.org/pages/Live_Webcast_Information) 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/How\\_Do\\_I\\_Participate\\_in\\_a\\_Webcast%3F](http://www.extension.org/pages/How_Do_I_Participate_in_a_Webcast%3F).

### Link For More Information:

\* Review – Nutrient Management in Dairy Cattle <http://www.cabastractsplus.org/cabreviews>

\*Feeding Dairy Cows to Reduce Nutrient Excretion (LPES Curriculum Lesson 12)

[http://www.extension.org/pages/Lesson\\_12\\_Feeding\\_Dairy\\_Cows\\_to\\_Reduce\\_Nutrient\\_Excretion](http://www.extension.org/pages/Lesson_12_Feeding_Dairy_Cows_to_Reduce_Nutrient_Excretion)

The LPE Learning Center is a project dedicated to the vision that individuals involved in public policy issues, animal production, and delivery of technical services for confined animal systems should have on-demand access to the nation's best science-based resources. See our website at: <http://www.extension.org/animal+manure+management>.