



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

## **Snap-shot Assessments of Nutrient Use on Commercial Dairy Farms** **November 20, 2009**

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

Recent escalations in feed and fertilizer costs, ebbing milk prices, and environmental accountability are motivating many dairy farmers to find new ways to improve nutrient use efficiency (NUE) on their farms. But how can NUE be determined and monitored easily on dairy farms? What improvement in NUE can be realistically expected? This webcast will describe and demonstrate the usefulness of using rapid assessment methods to provide snap-shot assessments of feed, fertilizer, and manure use on dairy farms in various settings. The information can be used to engage dairy producers in collaborative assessments of gaps between their actual nutrient use and the biological potential of nutrient use, to develop performance goals for nutrient use in various production components, and to monitor and evaluate the impacts of management practices on NUE, profitability, and environmental outcomes. *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.*



**J. Mark Powell** is a Research Soil Scientist with USDA-Agricultural Research Service based at the U.S. Dairy Forage Research Center in Madison Wisconsin. Mark is also Professor of Soil Science, Department of Soil Science, University of Wisconsin-Madison. Mark's research utilizes soil, crop, dairy and social sciences in an agro-ecological approach to understand nutrient cycling on dairy farms. Of particular interest is how improved nutrient use in one system component (such as feed) affects nutrient cycling in other production components (such as soils and crops), and the impact of each component management on system productivity, profitability and the environment. Phone: 608-890-0070; Email: [mark.powell@ars.usda.gov](mailto:mark.powell@ars.usda.gov)

### **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).

### **Links For More Information:**

\*Snap-shot Assessment of Manure Use Efficiency

<http://www.ars.usda.gov/Services/docs.htm?docid=18709>

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>.