



Livestock and Poultry Environmental (LPE) Learning Center.

Educational Webcast Series

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

Sponsored by the: Air Quality Education in Animal Agriculture Project

## Greenhouse Gas Emissions From Animal Agriculture

May 15, 2008

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

The US Environmental Protection Agency (EPA) recently proposed a rule on reporting of greenhouse gas emissions that will have implications for large animal agriculture operations. This webcast will include presentations about the proposed rule and some of the expectations for calculating emissions and reporting. Speakers will also discuss the state of the science for greenhouse gas emission monitoring and measurement from animals, confined housing facilities, and open sources like storage facilities. This webcast is occurring in the middle of the 60-day comment period. *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.*



**Melissa Weitz** is an environmental protection specialist in EPA's Climate Change Division, within the Office of Air and Radiation. Her areas of work include rulemaking for the proposed mandatory greenhouse gas reporting rule, offsets protocols and policy analysis, and the national greenhouse gas inventory. Melissa has a B.S. in Animal Science and a Master's degree in Energy and Environmental Policy, both from the University of Delaware. Email: [weitz.melissa@epa.gov](mailto:weitz.melissa@epa.gov).

**Frank Mitloehner** Frank Mitloehner, PhD, serves as director for the Agricultural Air Quality Center at UC Davis and is an Associate Professor and Air Quality Specialist in the Department of Animal Science. His current research activities are in the area of air emission estimates from dairies and other agricultural sources and emission mitigation (focus on greenhouse gases, volatile organic compounds, ammonia, and particulate matter). His extension efforts are largely related to teaching various stakeholders (from regulatory staff to farmers) air quality related information and assisting them in air quality compliance issues. Phone: (530) 752-3936; Email: [fmmitloehner@ucdavis.edu](mailto:fmmitloehner@ucdavis.edu).



**Rich Grant**, is a Professor of Agro-micrometeorology in the Agronomy Department at Purdue University. His research is in the areas of biological interaction between organisms and the atmosphere, transport and deposition of gases and aerosols in the atmosphere, CO<sub>2</sub> and H<sub>2</sub>O gas exchanges between cropped environments and the atmosphere, and gaseous emissions from animal waste. He received his Ph.D. from the State University of New York. Phone: (765) 494-8048 Email: [rgrant@purdue.edu](mailto:rgrant@purdue.edu)

### 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:

\*Direct Measurements Improve Estimates of Dairy Greenhouse Gas Emissions

<http://calag.ucop.edu/0902AMJ/pdfs/ca6302p79.pdf>

\*EPA Guidance documents for livestock and manure storage

<http://pubwiki.extension.org/mediawiki/files/f/f8/GuideAgricultureLivestockSectors.pdf>

<http://pubwiki.extension.org/mediawiki/files/1/1b/ManureManagementSystems.pdf>

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>.

The Air Quality Education in Animal Agriculture project is collaboration of national experts from across the U.S. working to enhance learning opportunities in air quality issues related to animal agriculture. In addition to educational webcasts, the project will develop an air quality curriculum that will be made available for classroom or extension use and conduct regional workshops.