



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

## **Managing Potential Risks of Antibiotics and Hormones in Animal Manure**

**April 25, 2008**

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

The second in a two-part series on antibiotics and hormones in animal manure will discuss what can be done to manage the potential risks of these compounds to water quality and human health/safety. The presentation will cover the fate and transport of these compounds. Speakers will also discuss their detection in water bodies and Best Management Practices (BMPs) to prevent their movement to water. *Note the change in date from previous announcements!*



Linda Lee, a Professor of Environmental Chemistry at Purdue University, received her Ph.D. from the University of Florida. Her research emphasizes developing a mechanistic understanding of the inter-linked environmental processes that govern fate of contaminants in soil-water systems for use in the development of decision tools and management guidelines in both industrial and agricultural settings. Phone: 765-494-8612, E-mail: [lslee@purdue.edu](mailto:lslee@purdue.edu).

Keith Loftin is a chemist with the US Geological Survey in Lawrence, Kansas. He received his Ph.D. in Environmental Engineering from the University of Missouri-Rolla. His research focuses on the fate, effects, and transport of pharmaceuticals, herbicides, and algal toxins in the environment including CAFOS. Phone: (785) 832-3543, E-mail: [kloftin@usgs.gov](mailto:kloftin@usgs.gov).



Jessica Davis, Director of the Institute for Livestock and Environment at Colorado State University, received her Ph.D. from Texas A&M. The mission of the institute is to solve problems at the interface of livestock production and science-based environmental management. Jessica's research and extension programs emphasize the development and implementation of manure management BMPs to improve soil properties while protecting air and water quality. Phone: 970-491-1913, E-mail: [jessica.davis@colostate.edu](mailto:jessica.davis@colostate.edu).

### **Links for more Information:**

--[www.epa.gov/ppcp](http://www.epa.gov/ppcp) This EPA website incorporates commonly asked questions about pharmaceuticals in the environment, completed and on-going scientific work, and research bibliographies. The website also includes the White House policy on proper drug disposal, links to on-going EPA and Federal research and initiatives, and links to scientists working on pharmaceuticals in the environment and related scientific literature.

--[http://toxics.usgs.gov/highlights/vet\\_meds.html](http://toxics.usgs.gov/highlights/vet_meds.html) This U.S. Geological Survey website addresses the state of knowledge about veterinary medicines in the environment.

--<http://e.hormone.tulane.edu/> e.hormone is your gateway to the environment and hormones.

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>.