



## Anaerobically Digested Manures

**May 20, 2011**

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

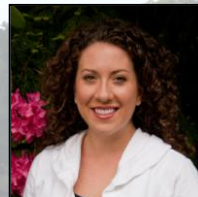
This webcast will share information on: monitoring protocols for anaerobic digesters, fate of nitrogen from manure after it has been anaerobically digested (AD), effect of AD manure on grass yield and nitrogen uptake, the fate of bacteria from manure after it has been AD, and the fate of bacteria after land application of AD manure. *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. John Gay** is an associate professor in the AAHP Field Disease Investigation Unit of the Department of Veterinary Clinical Sciences, Washington State University and is responsible for epidemiology and herd production medicine. His research interests are in infectious diseases and production problems of the bovine, in zoonotic diseases related to food safety, and in sustainable agriculture. After obtaining a DVM degree, he specialized in beef and dairy practice in the northwest for five years before obtaining a Ph.D. in veterinary epidemiology and production medicine with economics as an area of special interest.

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**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 anaerobic digester technology since 2005. His projects include: fate and transport of bacteria from anaerobically digested manure (including the impact on surface water quality), utilization of nutrients in AD effluent for production of grass forage, production of a phosphorus based fertilizer (struvite) from anaerobically digested manure, development of an economic decision aid tool for predicting the financial risks associated with community based ADs that utilize pre-consumer food-wastes, and the effect of AD on odor and gaseous emissions. Phone: (253) 445-4638; Email: [jhharrison@wsu.edu](mailto:jhharrison@wsu.edu)



**Liz Whitefield** is project manager for the WSU Livestock Nutrient Management Program. Liz manages three studies evaluating the fate and transport of pathogens, nutrients, and air-odor relationships and anaerobic digestion of dairy manure. She holds a Master of Science in Dairy Nutrition and has focused on whole farm nutrient management research and outreach since 2008.

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**Allison Costa** is the National Program Manager for AgSTAR in the USEPA Climate Change Division at Washington, DC. She currently works to provide outreach and technical assistance related to anaerobic digestion of livestock and agro-industrial wastes through EPA's AgSTAR program and Global Methane Initiative. She is also involved in the development of technical guidance related to anaerobic digestion and for the evaluation of the performance of anaerobic digestion systems. Allison holds an M.S. in Geography and Environmental Engineering from Johns Hopkins University. Phone: (202) 343-9468; Email: [costa.allison@epa.gov](mailto:costa.allison@epa.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:

\* Pathogen Reduction in Anaerobic Digestion of Manure

<http://www.extension.org/pages/30309/pathogen-reduction-in-anaerobic-digestion-of-manure>

\* Protocol for Digester Performance <http://www.epa.gov/agstar/tools/project-dev/protocol.html>

\* AgSTAR <http://www.epa.gov/agstar/index.html>

\* The Minnesota Project <http://www.mnproject.org/e-AnaerobicDigesters.html>

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>.