



September 2009

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

LPE Learning Center Webcast Series

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Looking Forward to the October Webcast:

Managing Grazing Animals to Protect Water Quality

Research is increasingly demonstrating that management of grazing animals has a large impact on water quality. How are nutrients, pathogens, and sediment impacting riparian areas, and how can they be managed? Tune in on October 16 to learn more about grazing management and its connection to water quality. [More...](#)



Courtesy of USDA NRCS

Speakers: Jim Russell, Tom Isenhart, and Steve Ensley, Iowa State University.

Date/Time [Tentative]: Friday, October 16, 2009, at 2:30 pm (ESDT)/1:30 pm (CDT)/12:30 pm (MDT)/11:30 am (PDT).

How to Participate: On the day of the webcast, go to http://www.extension.org/pages/Live_Webcast_Information.

First-time viewers should follow the steps at http://www.extension.org/pages/How_Do_I_Participate_in_a_Webcast?

September Webcast
"Air Quality Emissions and Land Application of Manure"

September 18, 2009, at 2:30 pm (EDT) [More...](#)

LPELC website:
<http://www.extension.org> and click on "Animal Manure Management."

Continuing Education Units are available through the Certified Crop Adviser program and American Registry of Professional Animal Scientists [More...](#)

LPE Coordinator:
Jill Heemstra
jheemstra@unl.edu

What's Going On In the LPE Learning Center?

Videos Added to the LPELC Website

- "Ammonia Deposition in Alpine Ecosystems" explores agriculture's contribution to nitrogen deposition in Rocky Mountain National Park in Colorado. http://www.extension.org/pages/Ammonia_Deposition_in_Rocky_Mountain_National_Park:_What_Is_the_Role_of_Animal_Agriculture%3F
- A tutorial on using the USDA NRCS "Animal Waste Management" software is posted. The software is used by animal waste structure designers and is mentioned in the 2008 EPA CAFO regulations in evaluating the potential for an operation to discharge. http://www.extension.org/pages/Animal_Waste_Management_Software_Training_Video

More New Additions To the Website

- The continuing education section of the website is now up to date. <http://www.extension.org/animal+manure+management>, click on "Continuing Education Units"
- The August webcast "Evaluating Innovative Manure Treatment" is archived at http://www.extension.org/pages/Evaluating_Manure_Treatment_Through_Farm_Pilot_Project_Coordination
- The USDA recently released a report about the use of manure as a fertilizer and as an energy source. A summary of that report as well as links to the full report are at: http://www.extension.org/pages/Manure_Use_for_Fertilizer_and_Energy:_June_2009_Report_to_Congress
- Phosphorus Best Management Practices fact sheets, developed by SERA-17 are featured on a new page. There are 32 fact sheets on type, source and transport of phosphorus http://www.extension.org/pages/Phosphorus_Best_Management_Practices_Fact_Sheets

NALC Launches Reading Room for Climate Change and Ag

Because greenhouse gas emissions are linked to almost every industry, including agriculture, they must be considered when looking at the future. Ag is somewhat unique in its ability to both produce and reduce greenhouse gasses. According to the EPA, U.S. agriculture accounts for 7 to 8% of the nation's total greenhouse gas emissions. The biological processes inherent in agriculture production, however, have the potential to allow agriculture to offset vastly more emissions than it produces.

The National Agricultural Law Center (NALC) has recently added a new reading room to its online library of resources, which also includes reading rooms on concentrated animal feeding, animal ID, and more. It's a prominent first step ahead for the agricultural industry whose future will likely be dominated by the issues surrounding climate change.

Among the reading room documents :

- Reviews of the major statutes and regulations regarding agriculture, including the Clean Air Act and Air Pollution Controls Regulations.
- Case law and administrative law decisions.
- NALC and Congressional research reports.
- A variety of reference resources – from the Department of Energy's Carbon Dioxide Information Analysis Center and the NRCS's publication *Opportunities for Managing Carbon Sequestration and Greenhouse Gas Emissions in Agricultural Systems*, to the U.S. Climate Change Technology Program and the World Bank Carbon Finance website.

For the full list of articles available through the NALC Climate Change Reading Room, go to <http://nationalaglawcenter.org/readingrooms/climatechange/>.

Spotlight On...

Michigan State University Opens Pasture Dairy R&E Center

A new integrated farm at the Kellogg Biological Station will provide research and education information for a growing audience interested in alternative animal production systems. The farm will utilize rotational grazing and a K-Line irrigation system. A free-stall barn with parlor and two robotic milking systems is located in the center.

The unit is planning to focus its research on pasture production, nutrient management & cycling, animal health & welfare, and economic, social and food system questions. For more information about the project, contact Matt Haan hannm@msu.edu or visit the station website at: <http://www.kbs.msu.edu/farm/dairy/pastureresearch.php>

Organic/Natural Beef Has No Difference on Antibiotic Susceptibility of E. coli

Cattle are major reservoirs of E. coli O157:H7. Natural and organic beef are raised with little to no antibiotic exposure, leading many to believe that these

production systems offer a benefit in combating E. coli that conventional beef operations cannot. However, a Kansas State University study published in the August 2009 edition of *Applied and Environmental Microbiology* suggests that organic and natural beef cattle systems offer no difference in antibiotic susceptibility to E. coli. View the abstract at <http://aem.asm.org/cgi/content/abstract/75/16/5421>.

New Air Quality Publication Released

"Improving the Air Quality of Animal Feeding Operations With Proper Facility and Manure Management" from Texas AgriLife Extension explores siting new facilities as well as best management practices for existing facilities. <http://tammi.tamu.edu> or <http://pubwiki.extension.org/mediawiki/files/0/04/ImprovingAQ2009pub.pdf>.



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