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

Grazing Management for Water Quality Protection

October 16, 2009

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

Research has shown that the management of grazing animals, especially in riparian areas, can have a significant impact on water quality. How do we manage streams and riparian areas to maximize production and adequately manage environmental risks? The behavior of animals, and how you can use it to your advantage, needs to be considered when designing a grazing management system. Presenters will also discuss waterborne pathogens and ways to prevent their movement to water bodies. *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.*

Jim Russell has been on the faculty in the Department of Animal Science at Iowa State University for 30 years. His teaching responsibilities have included courses in animal nutrition, sustainable agriculture, and environmental management. Dr. Russell's research has emphasized the development and evaluation of forage-based beef cattle production systems that improve profitability and enhance environmental quality. Research areas have included the preservation of stored forages, integration of summer and winter grazing systems to reduce stored feed costs and the relationship of grazing management practices with environmental quality. He has been awarded the Forage Industry Merit Award from the American Forage and Grassland Council, the Pioneer Hybrid International Forage Award from the American Dairy Science Association, and the Regents Award for Faculty Excellence from ISU. He received his Ph.D. from the University of Wisconsin-Madison. . Phone: 515-294-4631; Email: jrussell@iastate.edu

Tom Isenhart is with the Department of Natural Resource Ecology and Management at Iowa State University. His research interests include stream, riparian, and watershed management; design and establishment of conservation buffers to improve the environmental efficiency of agriculture, land use/hydrology and stream bed and bank erosion; watershed assessment; and land use and greenhouse gas emissions. He received his Ph.D. from Iowa State University. Phone: 515-294-8056 Email: isenhart@iastate.edu

Steve Ensley is a Clinician and Section Leader for Chemistry/Toxicology at the Veterinary Diagnostic Laboratory at Iowa State University. In addition to being a practicing veterinarian for 14 years, he also worked in private industry as well as academia. His research interests are: adverse health effects of corn co-products, environmental impact of feed grade antibiotics, drinking water quality of production animals, and metabolic profiles in production animals. He received his DVM from Kansas State University and Ph.D. in Toxicology from Iowa State University. Phone: 515-294-1950; Email: sensley@iastate.edu

How Do I Participate?

On the day of the webcast, go to 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.

Links For More Information:

*Finding the links among cows, creeks and conservation, Leopold Center Newsletter
http://www.leopold.iastate.edu/pubs/nwl/2005/2005-4-leoletter/grazing.htm
*Iowa State Riparian Buffer Research Team http://www.buffer.forestry.iastate.edu/HTML/issueteam.html
*"A Guide to Managing Pasture Water' publication series. http://www.iowabeefcenter.org/content/research_projects.html
*LPE Learning Center December, 2006 webcast http://www.extension.org/pages/Pathogen_Webcasts (see Atwill presentation on managing pathogen risks in livestock on range and pasture).

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