# University of Nebraska - Lincoln Digital Commons@University of Nebraska - Lincoln

Livestock and Poultry Environmental Learning Center Newsletters

Livestock and Poultry Environmental Learning Center

8-1-2007

# LPE Center News, August 2007

Follow this and additional works at: http://digitalcommons.unl.edu/lpelcnewsletter



Part of the Other Animal Sciences Commons

"LPE Center News, August 2007" (2007). Livestock and Poultry Environmental Learning Center Newsletters. Paper 12. http://digitalcommons.unl.edu/lpelcnewsletter/12

This Article is brought to you for free and open access by the Livestock and Poultry Environmental Learning Center at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Livestock and Poultry Environmental Learning Center Newsletters by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

#### National Livestock and Poultry Environmental Learning Center

# **LPE Center News**



August, 2007

**Connecting Experts With Those Advising Producers** 

#### In this issue:

- Webcast Series Resumes with the Value of Manure in Energy Production.....1
- Webcast Schedule Coming Soon.....1
- Web Soil Survey 2.0 Is a Comprehensive and Useful Resource.....2
- EPA Funded Research to Examine Hormones in Manure.....2

# LPE Learning Center Webcast Series

# Webcast Series Resumes With the "Value of Manure in **Energy Production**"

Note: The incorrect date for this webcast was given in the last newsletter. The correct date for this presentation is September 21, 2007.

From campfires in the old west, to the highly engineered systems of today, animal



manure has long been recognized as a viable source of energy. What types of technologies are being developed to capture the energy value of manure? What situations are good candidates for these technologies? Bill Boyd, engineer and leader of the NRCS National Manure Management Team will discuss experimental

technologies as well as those that are already being demonstrated and situations for which these technologies are best suited.



Kelly Zering

#### **Webcast Archive**

All past LPE Learning Center webcasts can be viewed on-demand.

Go to the webcast archive

#### Subscribe Now!

At http://lpe.unl.edu, click on "Subscribe to Newsletter".

CEU's available for live or archived webcasts More...

#### **Share This Newsletter**

A text version is available for reprinting in other newsletters or media. More...

LPE Coordinator: Jill Heemstra iheemstra@unl.edu

the economic considerations. Kelly Zering, an economist with North Carolina State University will discuss factors that can affect the economic feasibility of using manure for generating energy on the farm. More information about this webcast can be found at http://lpe.unl.edu/pdfs/07septflyer.pdf.

No discussion on this topic is complete without an overview of

Date/time: Friday, September 21, 2007 at 2:30 pm (eastern); 1:30 pm (central); 12:30 pm (mountain) and 11:30 am (pacific).

How to participate: Software requirements and instructions for participating in the live webcast can be found at <a href="http://lpe.unl.edu/webcast2.html">http://lpe.unl.edu/webcast2.html</a>.

What's Going On in the LPE Learning Center?

# **Webcast Schedule Coming Soon**

The 2008 webcast series is being finalized and will be released in early September. The topics anticipated to be scheduled include pharmaceuticals, market based conservation, dry manure housing systems, innovative manure treatment technologies being explored for commercial application, horse manure management, barriers to implementing nutrient management plans, manure effects on soil, and ethanol co-products and the effects of their feeding on manure management.

The schedule will be linked from the LPE Learning Center home page and will also be posted at http://lpe.unl.edu/webcast.html.

# Web Soil Survey 2.0 Is a Comprehensive and Useful Resource

What is the largest natural resource information system in the world? That distinction belongs to the NRCS <u>Web Soil Survey</u> (WSS). This online resource provides soil data and information from the National Cooperative Soil Survey. It includes soil maps and data for more than 95 percent of the nation's counties and NRCS anticipates having 100 percent in the near future.

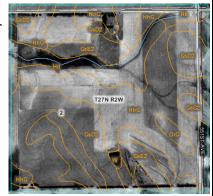
The WSS does not require special software to operate; it is available through your web browser. If it has been a while since you used this resource, you may want to check out the new features in the recently released version 2 such as improved precision in drawing boundaries and custom maps.

The program has several ways to find the area

for which you wish to obtain data including: latitude and longitude, range and township and others. Once you have located the area of

interest, it can be selected and other layers of data added. When finished, you can create and print a custom map.

Future plans for the web soil survey include



the ability to save an area of interest for future sessions, and to search by rural 911 addresses.

The web soil survey can be accessed at http://websoilsurvey.nrcs.usda.gov/app/.

Spotlight On...

### **EPA Funded Research Will Examine Hormones in Manure**

There is a great deal of research information available about the effects of hormones on the growth rate and feed efficiency of animals, but little is known about the amount and fate of these hormones once excreted in the manure.



This knowledge gap is significant because <u>US</u> <u>Geological Survey</u> and other research has found steroid

hormones in water bodies downstream from intensive animal agriculture production areas.

What happens to these compounds after being excreted by the animal? Are there differences between manure storage, handling, or application practices in the risk of hormones reaching water? If they do reach water, what are the effects on aquatic ecosystems?

To answer those questions, EPA has assembled a multi-disciplinary team from several of its

laboratories. In addition, several other research projects are being funded by grants through the US Environmental Protection Agency (EPA) STAR program. These projects will begin work in 2007. Information about the projects that were funded can be found at:

http://cfpub.epa.gov/ncer\_abstracts/index.cfm/fuseaction/recipients.display/rfa\_id/435/records\_per\_page/ALL

A workshop on the "Fate and Effects of Hormones in Waste from CAFOs" will be held August 20-22. More information is available at: <a href="http://www.scgcorp.com/starawards07/index.html">http://www.scgcorp.com/starawards07/index.html</a>.

The LPE Learning Center will also be hosting two webcasts on this topic during 2008.



This material is based upon work supported by the Cooperative State Research, Education, and Extension Service, U.S. Department of Agriculture, under Agreement No. 2005-51130-03315. Any opinions, findings,

conclusions, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the U.S. Department of Agriculture.