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

Novel Approaches to Manure Application in No-till

September 17, 2010

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

No-till crop production has many advantages related to soil conservation and soil quality. Also, it is well established that there are many advantages of incorporating manure such as reduced ammonia volatilization, less phosphorus runoff, less odor, etc. This often creates serious management conflicts. Low disturbance manure incorporation systems that would enable manure incorporation but retaining the benefits of no-till is needed. Fortunately, this has been an area of considerable research in recent years. This webcast will feature some of what has been learned about the agronomic, economic and environmental effects of several novel approaches to incorporating manure in no-till systems such as shallow disk injectors, aerators, vertical tillage tools, and a dry litter subsurfer. *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.*

Doug Beegle received M.S. and Ph.D. from The Pennsylvania State University where he is now a Distinguished Professor of Agronomy. His interests include extension education programs, plant nutrition, soil testing, manure management, and whole farm nutrient management. Dr. Beegle's research relates to soil test evaluation and calibration, fertility management (N, P, K, S), starter fertilizer management, development of nutrient management systems, and management of agricultural phosphorus and the environment. He also serves as an advisor to state and federal government agencies and other organizations on nutrient management and agriculture related water quality issues. Phone: (814) 863-1016; Email: dbb@psu.edu

Quirine Ketterings is an Associate Professor at Cornell University working in Nutrient Management in Agricultural Systems and the Nutrient Management Spear Program. She receieved a M.Sc. degree in Soil and Water from Wageningen University and Research Center in the Netherlands and a Ph.D. in Environmental Sciences from The Ohio State University. Dr. Ketterings interests include: whole-farm nutrient management for dairy operations, the use of manure and compost for fertility management, fertilizer guidelines for yield and quality of field crops, and indicators of environmental impact of nutrient management practices. Phone: (607) 255-3061; Email: qmk2@cornell.edu

Join the Discussion

Before or after the webcast, ask questions, post comments, upload photos, or share you experiences with these topics by going to http://animalag.ning.com. Click on "discussion" to start, contribute, or follow discussions that interest you most.

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:

* Cornell University Manure Application Methods - http://nmsp.cals.cornell.edu/projects/Manureapplicationmethods.html
* New Subsurface Applicator for Dry Litter - http://www.ars.usda.gov/research/projects/projects.htm?ACCN_NO=418044
* Direct Incorporation of Poultry Litter into No-Till Soils to Minimize Nutrient Runoff to Chesapeake Bay - http://www.ars.usda.gov/research/projects/projects.htm?ACCN_NO=411267