



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

## Making Maximum Use of Nutrients in Liquid Manure March 21, 2014

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

Using livestock manure on a growing crop can more readily maximize the use of the manure nutrients while reducing the need of commercial fertilizer. Better utilization of manure nutrients will reduce offsite movement of these nutrients into surface waters. Ohio State University Extension has conducted small-plot and on-farm research on using swine and dairy manure as a sidedress nitrogen source for corn. In a recently completed three-year project, corn yields from manure as a sidedress have exceeded commercial fertilizer yields in both good and bad growing seasons. This webcast will also discuss the use of a boom toolbar for applying dairy manure to growing corn. *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.*



**Glen Arnold** is a Field Specialist focused on Manure Nutrient Management Systems with Ohio State University Extension after having served as a county educator for 22 years. His research focuses on new and innovative ways to use livestock manure beyond the traditional summer and fall land application windows. Arnold is an associate professor with OSU in the Department of Extension and earned B.S. degree from The Ohio State University and his M.S degree from Purdue University. Phone: 419-422-3851; E-mail: [arnold.2@cfaes.osu.edu](mailto:arnold.2@cfaes.osu.edu)

**Bruce Clevenger** has been an Ohio State University Extension Educator since 1994 in Defiance County, Ohio. Responsibilities focus on teaching and facilitating educational programs and research that arise from needs of local residents and businesses. Clevenger is an assistant professor with OSU in the Department of Extension and earned B.S. and M.S. degrees from The Ohio State University. Clevenger utilizes a local research farm to specialization in agricultural drainage water management. On-farm research is coordinated locally with farmers and agribusinesses. Clevenger is a Certified Crop Adviser and an active member of the Ohio Ag Managers Team. Clevenger is a member of the OSU Agronomic Crops Team and chairs the State-wide On-Farm Research Committee serving as Editor of OSU Extension's peer-reviewed, on-farm research reports. Phone: 419-782-4771; E-mail: [Clevenger.10@osu.edu](mailto:Clevenger.10@osu.edu)



### How Do I Participate?

On the day of the webcast, go to [www.extension.org/58813](http://www.extension.org/58813) to download the speaker's power point presentations and connect to the virtual meeting room. First time viewers should also follow the steps at: [www.extension.org/8924](http://www.extension.org/8924).

### For More Information

- OSU extension on-farm research results: <http://agcrops.osu.edu/on-farm-research>

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>.