



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

## Mitigating Air Quality Issues Using Vegetative Environmental Buffers February 26, 2010

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

Farmers have used tree lines and windbreaks to enhance farmstead environments for many years, but only more recently have shelterbelts been considered and utilized largely for the benefits provided to neighboring residents and communities. As interest in mitigating air emissions and going green grows, forms of vegetative environmental buffers (VEB) will receive expanded attention. Hear the latest information on the effectiveness and value of VEB, especially as an approach to managing air emissions from animal production facilities. *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.*

John Tyndall is a natural resource economist at Iowa State University with broad interests in the economics and bio-efficacy of ecological buffer systems. John received his B.S. in Sociology and Environmental Studies from Western Michigan University and his M.S. and Ph.D. in Forest Research Management and Natural Resource Economics from Iowa State University. Phone: 515-294-4912; Email: [jtyndall@iastate.edu](mailto:jtyndall@iastate.edu)



Dick Nicolai is an associate professor and extension specialist at South Dakota State University. He received his B.S. and M.S. in Agricultural Engineering and his Ph.D. in Biosystems and Agricultural Engineering from the University of Minnesota. Dick's research is focused on biofiltration of livestock gas and odor emissions, vertical biofilters, the South Dakota Odor Footprint Tool, odor reduction from natural windbreaks, and reducing hydrogen sulfide emissions in manure collection pits. Phone: (605) 688-5663; Email: [nicolaid@sdstate.edu](mailto:nicolaid@sdstate.edu)

### How Do I Participate?

On the day of the webcast, go to [http://www.extension.org/pages/Live\\_Webcast\\_Information](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](http://www.extension.org/pages/How_Do_I_Participate_in_a_Webcast%3F).

### Links For More Information:

- \* [Vegetative Environmental Buffers](#)
- \* [Research Summary on Windbreak Effectiveness](#)
- \* [Efficacy of Vegetative Environmental Buffers to Mitigate Emissions from Tunnel-Ventilated Poultry Houses](#)
- \* [The Use of Vegetative Environmental Buffers for Livestock and Poultry Odor Mitigation](#)
- \* [Research Summary: Odor Mitigation Using Vegetative Environmental Buffers](#)

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>.