



## Considerations for the use of Manure Irrigation Practices

June 15, 2018

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

Manure irrigation is the practice of applying livestock manure to fields using irrigation equipment. In response to concerns about this practice, University of Wisconsin Extension convened a workgroup to examine the issues. The workgroup, composed of scientists, public health specialists, state agency experts, farmers, conservationists and others, spent over two years gathering and reviewing scientific information on the practice and developing their report, which includes findings, responses and recommendations. The workgroup assessed concerns associated with manure irrigation, including droplet drift, odor, water quality, air quality and airborne pathogens. They also explored potential benefits related to the timing of manure applications, road safety and reduced road damage, and other farm management and economic benefits. Join the webinar to learn more about their results and implications. *An application for continuing education credit for Certified Crop Advisors (CCAs) and members of the American Registry of Professional Animal Scientists (ARPAS) will be submitted.*

**Ken Genskow** is a Professor and Extension Specialist in UW-Madison's Department of Planning and Landscape Architecture and co-director the UW-Madison/Extension Environmental Resources Center. His focus is environmental planning and policy, watershed planning, and collaborative and participatory approaches to resource management. He has a PhD in Urban and Regional Planning from University of Wisconsin-Madison and BS and MS degrees from University of Illinois.

Phone: 608-890-0673; Email: [kgenskow@wisc.edu](mailto:kgenskow@wisc.edu)



**Dr. Larson** is an Associate Professor and Extension Specialist focusing on manure and agricultural by-products in the Biological Systems Engineering Department at the University of Wisconsin-Madison. She completed her B.S, M.S., and Ph.D. in the Biosystems and Agricultural Engineering Department at Michigan State University. The main component of her work focuses on livestock manure systems where her research and extension efforts aim to increase the profitability and sustainability of food production systems while simultaneously reducing the environmental impact.

Phone: 608-890-3171; E-mail: [rebecca.larson@wisc.edu](mailto:rebecca.larson@wisc.edu)

**Tucker Burch** is a Research Agricultural Engineer with USDA-ARS in Marshfield, Wisconsin. His research is focused on the environmental health burden of dairy manure management, particularly risk assessment related to zoonotic pathogens. Dr. Burch studied environmental engineering at Marquette University (B.S., 2009) and the University of Minnesota (Ph.D., 2014).

Phone: 715-384-9673 (ext 109); Email: [tucker.burch@ars.usda.gov](mailto:tucker.burch@ars.usda.gov)



### How Do I Participate?

On the day of the webinar, 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

- Understanding Manure Irrigation <https://fyi.uwex.edu/manureirrigation/>
- Manure Irrigation: Environmental Benefits, Potential Human Health Risks, in Environmental Health Perspectives <https://ehp.niehs.nih.gov/ehp2233/>
- Considerations for the use of Manure Irrigation Practices <http://go.wisc.edu/3slp9l>
- Airborne pathogens from dairy manure aerial irrigation and the human health risk <https://pubs.er.usgs.gov/publication/70178035>