

Quantitative Microbial Risk Assessment for a Changing Dairy Landscape

Dr. Tucker Burch

Research Agricultural Engineer
Environmentally Integrated Dairy Management Research Unit

Abstract:

Dairy production has changed dramatically in the past 30 years, with a shift from many small farms to fewer large farms. This increase in production intensity mirrors similar trends throughout the livestock industry, and it potentially changes the nature of infectious disease transmission from herd to humans, particularly via environmental routes like groundwater and surface water. However, the significance of this change to human health has not been fully explored. This presentation will describe how quantitative microbial risk assessment (QMRA) can be a useful tool in studying infectious disease transmission on a changing dairy landscape, provide recent examples of QMRAs relevant to the Wisconsin dairy industry, and propose a QMRA-based research agenda for proactively addressing future challenges.

Wednesday, Nov. 4th at 3 p.m.

Connection details:

<https://www.zoomgov.com/j/16141396271>

646-828-7666; ID: 161 4139 6271

U.S. Dairy Forage Research Center

Madison and Marshfield, WI

