



Antibiotic Resistance and Animal Agriculture

March 25, 2016

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

Nearly every day the media bombards us with information on antibiotics and resistance to them. This webcast will examine the veterinary feed directive and how it impacts animal agriculture as well as discuss the state of the science as it relates to antibiotic resistance. Finally, we'll bust some myths and review "facts" to keep in mind when chatting with livestock producers and the general public. *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.*



Dee Griffin, raised on a small cow/calf operation, has focused his career on cattle. DVM from Oklahoma State University and MS from Purdue University. Today, he is a Professor at the University of Nebraska teaching at the Great Plains Veterinary Educational Center. He is the past president of the Academy of Veterinary Consultants (AVC) and the winner of the AVC's Veterinary Consultant of the Year. He received the American Association of Bovine Practitioners national award for Excellence in Preventive Medicine, the national award for Institutional Teaching, Research and Service Excellence and the BQA Education National Award for Excellence. The National Cattlemen's Beef Association's (NCBA) awarded him their Beef Quality Assurance (BQA) Educator of the Year. He is also the recipient of the Nebraska Cattlemen's, and Nebraska Veterinary Medical Association's Distinguished Service Awards. He was honored by the Bovine Practitioner as one of the industries VIP's for his contributions to the feedlot industry and as one of the "Top 20 Most Influential Veterinarians". He serves on the NCBA Health and Well Being Committee, and the NCBA's BQA Advisory Board. He also served on the FDA's Veterinary Medical Advisory Committee and the FDA Minor Species Drug Use Committee. Phone: (402) 762-4504; Email: DGriffin@GPVEC.UNL.EDU

Lisa Durso is a Research Microbiologist working with the Agricultural Research Service. Her projects focus on solving applied problems related to pathogens and antibiotic resistance in both manure-impacted and natural settings. Dr. Durso began her scientific career working for state and federal public health agencies, and began working in agriculture after she received her Ph.D. She has over 10 years of experience implementing practical solutions related to pre-harvest foodborne pathogens, water quality, and microbes in manure. Her areas of expertise include developing and validating culture-based and molecular detection methods, microbial ecology of agricultural production systems, and tracking manure-borne bacteria-including routine surveillance and outbreak investigations. Phone: (402) 472-9622; Email: lisa.durso@ars.usda.gov



Jean McLain joined the University of Arizona Water Resources Research Center in November 2011 after a 10-year career with the USDA-Agricultural Research Service. In addition to her duties as WRRRC Associate Director, Jean manages an international research program focused on establishing the human health and environmental risks of using recycled municipal and agricultural wastewater for crop irrigation and groundwater recharge. Jean holds a Bachelor of Science Degree in Forestry from the University of Vermont, and a Master's Degree in Forest Science from Yale University. She received her Ph.D. from Duke University in Microbial Ecology in 2002. Phone: (520) 621-7292; Email: mclainj@email.arizona.edu

How Do I Participate?

On the day of the webcast, go to 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.

For More Information

- * Impacts of antibiotic use in agriculture: what are the benefits and risks? <http://tinyurl.com/jlkzzot>
- * 2010 Summary Report: On Antimicrobials Sold or Distributed for Use in Food-Producing Animals <http://tinyurl.com/qbxu266>
- * Antibiotics in Agroecosystems: State of the Science Workshop Summary <http://tinyurl.com/j2rom2l>
- * Antibiotics in Agroecosystems: State of the Science (Special Issue - Mar 2016) <https://dl.sciencesocieties.org/publications/jeq>
- * FDA's Veterinary Feed Directive (VFD) <http://tinyurl.com/FDA-VFD>
- * FDA's Veterinary Feed Directive Final Rule and Next Steps <http://tinyurl.com/pakyjmt>
- * FDA's Guidance for Industry / Small Entity Compliance Guide / Veterinary Feed Directive Regulation Questions and Answers <http://tinyurl.com/jxu5pjj>
- * Veterinary Feed Directive Questions and Answers from Dr. Griffin <http://tinyurl.com/hv2cx2l>
- * Understanding the FDA's Guidance for the Industry 213 <http://tinyurl.com/j84fwfo>