



MANURE ENTOMOLOGY: Manure Management That Won't "Bug You"

April 15, 2016

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

Ever wonder how Mother Nature takes care of her own waste stream? Did you know Scarab Beetles that were worshipped and worn in ancient times as jewelry are actually Dung Eating Beetles? Learn all about nature's important waste eating bugs (and more) during this webcast. Find out about Black Soldier Flies, Dung Beetles, Filth flies and more. *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.*



Dr. Jeffery K. Tomberlin is the laboratory director and principal investigator of the FLIES (Forensic Laboratory for Investigative Entomological Sciences) Laboratory. Dr. Tomberlin is a native of Georgia. He received a B.S. in Biology from the University of Georgia in 1993 and a M.S. in Entomology from Clemson University in 1996. After attaining his M.S., he worked for two years in the laboratory of Dr. Lee Goff in Hawaii. He returned to Georgia in 1998 and received his doctorate in 2001 from the Department of Entomology at the University of Georgia. The core research area of his laboratory is decomposition ecology. Primarily, he is interested in understanding the mechanisms that regulate nutrient recycling. Data generated and published from his laboratory have proved instrumental in the development of the black soldier fly as a method for recycling waste for the production of protein. His research has also proved useful in other areas, such as forensic entomology. Phone: (979) 845-9718; Email: jktomberlin@tamu.edu

Dr. Jeff Bradshaw earned a M.S. in Zoology from Southern Illinois University in 2001 and a Ph.D. in entomology and plant pathology from Iowa State University in 2007. He is currently and Associate Professor of Entomology and Extension Specialist for the University of Nebraska – Lincoln. He serves his research and Extension appointment at the Panhandle Research and Extension Center in Scottsbluff, Nebraska. He has published 30 referred publications and numerous Extension and professional communications concerning host plant resistance and insect biology, ecology, and management. His current research concerns the integration of host plant resistance and ecologically-based pest management solutions.

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Kristina Friesen is a Medical and Veterinary Entomologist whose current research specializes in the biology and control of filth flies. For her graduate work, she characterized West Nile virus transmission in a colony of American white pelicans in northeast Montana. In addition to the study of mosquito borne infectious diseases, she has experience with cattle grubs, cattle lice, sheep keds, sheep lice, horn flies, and stable flies. Kristina is employed by the Agricultural Research Service in Lincoln, Nebraska and focuses on stable fly development, dispersal, and control.

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Jamie Cohen has worked as an Extension Agent for University of Florida/IFAS Marion County Extension, educating on water quality, waste management and natural resources conservation issues since 2007.

Composting has become one of her passions, so she is continually learning from composting professionals, researching and networking to acquire greater practical, hands-on knowledge and skills. Close partnering is done with other Extension Agents and UF/IFAS Extension Specialists to deliver additional natural resource programming for adults and youth. Providing education, awareness and understanding about the importance of conserving and protecting our natural environment equips the community with better tools to protect and conserve natural resources. Jamie will serve as the moderator for this webcast.

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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

* Grazing Management Projects at University of Nebraska <http://agronomy.unl.edu/grazingmanagement>