



Animal Manure's Impact on Soil Properties

May 18, 2018

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

Many times, discussions center on managing manure nitrogen and phosphorus in soil/crop systems. This webinar will focus on the relationships of land applied livestock manure and other organic materials to soil aggregation, resistance to erosion and microbial dynamics in consideration of field characteristics. The implications of cellulose and lignin content of the applied organic material will be addressed. Additionally, we will look at a comprehensive literature review conducted about the effect of manure application on soil properties. The webinar will focus on effects that go beyond manure's capability to provide NPK to crops, such as nutrient cycling and soil physical and biological properties. We will also provide recommendations for future research related to manure and soil. *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.*



Linda Schott is a PhD candidate in Biological Systems Engineering at the University of Nebraska-Lincoln on track to graduate in December 2018. Her research/extension thesis project has focused on use of organic amendments to improve soil quality with an emphasis on redcedar tree wood chips and animal manure. Linda is an Iowa native. Her interests lie in understanding, assessing and implementing practices that improve soil productivity. Email: linda.rae.schott@gmail.com

Charles Wortmann is a professor of Agronomy and Horticulture and soil fertility / nutrient management specialist at the University of Nebraska-Lincoln. His research and extension address soil management for sustainable and resilient high productivity and profitability while protecting water and air resources, including efficient use of inorganic and organic nutrient sources. His work has included collaborative team activities in 18 countries for applying science and enabling farmer adoption across widely diverse limitations and opportunities for improved management. Email: cwortmann2@unl.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

- * *Soil Management for Increased Soil Organic Matter*
<http://extensionpubs.unl.edu/publication/9000018447957/soil-management-for-increased-soil-organic-matter-g2283/>
- * *Synthesis of short- and long-term studies reporting soil quality metrics under agricultural and municipal biosolid applications literature review and data-brief of report*
<http://soilhealthnexus.org/resources/>
- * *Manure and Soil Health Nexus blog* <http://soilhealthnexus.org/category/manure/>