



Online Workshop **Manure Management and Utilization Technologies (3) – Testing, Mitigation, Application, and Opportunity**

Thursday April 7, 2022, 9:30 AM – 12:30 PM (EST Time)

**(Indiana Commercial Applicator CCHs Cat 1, Cat 14, and RT;
and Certified Crop Advisor CEUs available *)**

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Manure testing and characteristics

Jamie Bultemeier is Agronomist with A&L Great Lakes Laboratories in Fort Wayne Indiana since 2013. His experience includes 2 years as an applicator and agronomist for a regional ag retailer in central Ohio, and 11 years as an agronomist for John Deere helping producers find profitable and agronomically, as well as environmentally sound, cropping solutions. Jamie earned a BS in Soils and Crop Management with a MS in soil science from Purdue University. He has been a CCA since 2002, CPAg since 2003, 4R NMS 2016.



Manure spill management and risk mitigation

Kevin Erb is Conservation Professional Training Program Director at University of Wisconsin-Madison, Division of Extension. Kevin coordinates professional development training opportunities for professional manure applicators, and conservation advisors (local, state, federal conservation agencies, private sector consultants) in the areas of nutrient management, spill prevention, water quality, conservation planning, agronomy, and soils. His research projects include a 15-year study of the root causes of manure spills in Wisconsin and cover crops for white mold control. Kevin has been a Certified Crop Advisor since 1995.



Side-dressing manure on corn and topdressing on wheat

Glen Arnold is Associate Professor and Field Specialist of Manure Nutrient Management at The Ohio State University. Glen conducts research on using liquid livestock manure to replace commercial fertilizer on wheat and corn. Applying manure to growing crops creates an “in-season” window for manure application and results in less manure being applied in the fall months. As livestock producers strive to make better use of the nutrients in manure, they are hauling manure greater distances. Capturing the value of the nutrients in the manure can help pay for the additional manure hauling expense.



USDA NIFA opportunities on manure management

Dr. Shafiqur Rahman is Division Director of Agricultural Systems at USDA National Institute of Food and Agriculture (NIFA). He provides leadership and oversight for the division's research, education, and outreach activities across the nation through competitive grant programs. Before joining NIFA, Shafiqur was a Professor at North Dakota State University (NDSU). For more than 20 years, he has been researching agricultural waste management and treatment, water quality, and greenhouse gas measurement and mitigation from agricultural and livestock production systems.

* Indiana Commercial Applicators: 3 CCHs (Category 1), 2 CCHs (Category 14), 3 CCHs (RT)
CCA, CPag, CPSS, and CPSC: 2 CEUs (Nutrient Management)

For more information about the workshop series, please contact the planning committee:

Jiqin (JQ) Ni

Email: jqin@purdue.edu

Phone: 765-496-1733

Jennifer A Rackliffe

Email: jracklif@purdue.edu

Phone: 719-210-3187

Department of Agri. & Biol. Engineering

Brian Richert

Email: brichert@purdue.edu

Phone: 765-494-4837

John S Radcliffe (Technical Assist.)

Email: jradclif@purdue.edu

Phone: 765-496-7718

Department of Animal Sciences

Bryan Overstreet

Email: boverstreet@purdue.edu

Phone: 219-866-5741

Jasper County Office, Purdue Extension

Brad Kohlhagen

Email: bkohlhag@purdue.edu

Phone: 260-724-5322

Adams County Office, Purdue Extension

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