



Waste to Worth Preview: Gypsum Bedding Risks and Rewards

February 27, 2015

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

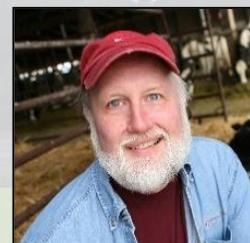
A preview of the useful topics that will be discussed and presented via posters and informational sessions at the Waste to Worth Conference in Seattle, a group of professors and extension professionals present about the use of gypsum in dairy bedding. Gypsum recycled from dry wall is used to supplement traditional bedding materials with agronomic, milk quality, and cow health benefits. But once in the manure storage, gypsum bedding is a source of sulfur that leads to increased hydrogen sulfide gas production. This toxic gas is commonly found at deadly levels in enclosed manure pits, though dangerous levels are found even around outdoor open-air storages during agitation of gypsum manure. *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.*



Robb Meinen is a Senior Extension Associate in the Department of Animal Science at Penn State University. His main duty is to coordinate education for the PA Commercial Manure Hauler and Broker Certification Program. Additional duties include education in Nutrient and Odor Management and service to the swine industry. Meinen co-instructs the Nutrient Management course at Penn State. He is involved in long-term Manure Expo planning and is Co-Chair of the 2015 North American Manure Expo in Chambersburg, PA on July 14-15. Be sure to attend the Manure Expo. It promises to provide *Manure than you can Handle*.

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Dr. Joe Harrison is a faculty member of the Department of Animal Sciences at Washington State University and has been conducting research and demonstration projects related to feed management and whole farm nutrient management since the early 2000's. His projects include: precision nitrogen feeding, effect of potassium on milk fat in the early lactation cow, capture of phosphorus for off-farm transport, and efficiency of capture of manure nitrogen in crops as affected by manure source and method of application. Phone: (253) 445-4638; Email: jhharrison@wsu.edu



Mike Hile is a Ph. D. Candidate in the Department of Agricultural and Biological Engineering at Penn State University. His research focuses on gas emissions from manure storage, processing and handling in the agricultural industry. As one of the members of the Penn State Odor Assessment Laboratory (PSOAL), Mr. Hile has evaluated the efficacy of manure additives and technological solutions to reducing odors for biosolids and animal manures. Field and laboratory experience enables Mr. Hile to be a key member of projects that involve measuring greenhouse gases, ammonia and hydrogen sulfide.

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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

* Waste to Worth - <http://wastetoworth.org/>

* Gypsum Bedding – Risks and Recommendations for Manure Handling - www.extension.org/67660

* Gypsum bedding: Is it worth the manure safety risk? - <http://www.progressivedairy.com/dairy-basics/manure/12719-gypsum-bedding-is-it-worth-the-manure-safety-risk>

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