**2015 Midwest Manure Summit**

*LOCATION*
Radisson Hotel & Conference Center
2040 Airport Drive
Green Bay, WI 54313

*REGISTRATION*
Conference early-bird registration is $195 for the two-day conference or $125 for a single day. Registration fees increase after February 16th. Registration includes Tuesday lunch, Wednesday breakfast and lunch, daily refreshments, and conference proceedings. CEUs have been applied for.

Please register online at www.midwestmanure.com or by mailing/faxing the enclosed registration form and payment.

For more information...

www.midwestmanure.com
- OR -

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Eric Ronk
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**Presentation Highlights...**

**Dr. John Chastain**
Planning a Solid-Liquid Separation System to Meet Manure Treatment and Management Goals

There are many reasons to add solid-liquid separation to the manure management system on a particular farm. One of the critical steps in the planning process is to clearly define the immediate and future treatment and management goals. This presentation will provide a decision framework to assist in the selection and implementation of solid-liquid separation technologies that will meet farm-specific goals.

**Dr. Kevin Janni**
Manure Color Management

Animal feeding operation owners and managers need to be aware of their emissions and the impact they have on their neighbors and community. Good neighbor relations and effective communications help identify odor problems and communicate actions to manage them. When considering mitigation practices weigh the costs, expected effectiveness, and how the practice fits into the overall operation while being mindful of neighbor and community concerns.

**Dr. Mark Powell**
The Rations We Feed Dairy Cattle Impact Manure Chemistry and Nutrient Dynamics in Soil, Water and Air

This talk will illustrate how different types and amounts of forages, concentrates, protein supplements and phosphorus (P) fed to dairy cows impact carbon, nitrogen and P in manure. Our results demonstrate that profitable rations can be fed to satisfy the nutritional demands of healthy, high production dairy cows while reducing manure nutrient excretion, and therefore, the environmental impacts of milk production.

**Dr. Ariel Szogi**
Nutrient Recovery Technologies from Animal Manure

Nutrient pollution is one of America's most widespread, costly and challenging environmental problems, impacting many sectors of the U.S. economy. The presentation will feature a new ARS technology developed for recovery of nitrogen and phosphorus from animal manure and their potential use in dairy manure management systems.

**Aaron Wunderlin**
Evaluation of Feed Storage Leachate and Runoff System Design and Operation

As the use of bunker silos, stacking pads, tarp bags, and commodity sheds are used more extensively for feed storage, concerns have arisen regarding the potential of leachate and runoff moving from these storage systems to waters of the state. On-farm research efforts to evaluate the effectiveness of current leachate system designs and provide new optimized design recommendations to maximize nutrient collection and minimize volume collection will be presented.

2015 Midwest Manure Summit
February 24 – 25, 2015
Radisson Hotel & Conference Center
Green Bay, Wisconsin
www.midwestmanure.com
2015 Midwest Manure Summit—
Registration

PLEASE PRINT CLEARLY

Business / Farm Name ________________________________
Name ________________________________
Address ____________________________ State ______
City __________________________ Zip ______
Phone __________________________
Email __________________________

Payment Options
Check—Payable to UW-Madison
Credit Card—circle one: Visa Mastercard
Card # __________________________
Expiration Date _______ 3-digit Code _______
Name on Card __________________________
Signature __________________________

Cost per Person # Total
Pre-Conference ________________________________________
February 23 Only $145 x =
($175 after 2/16) ________________________________________
Full Conference ________________________________________
$195 x =
($250 after 2/16) ________________________________________
February 24 Only $125 x =
($150 after 2/16) ________________________________________
February 25 Only $125 x =
($150 after 2/16) ________________________________________

TOTAL ENCLOSED ___________

Early registration ends February 16th!

Mail or Fax Registration Form and Payment to:

UW-Madison CALS Conference Services
640 Babcock Drive
Madison, WI 53706
Fax Number: (608) 262-5088

Questions? Call CALS at (608) 263-1672

You can also REGISTER ONLINE at: www.midwestmanure.com

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2015 Midwest Manure Summit—
Conference Agenda

MONDAY, FEBRUARY 23

Anaerobic Digestion System Management

9:00 am Registration and Refreshments
9:30 am Welcome and Introductions; Current State of Digestion in WI, the US, and the World
9:45 am Anaerobic Digestion Basics Including Key Operating Parameters
10:50 am Anaerobic Digester Operator Panel; Overview from Operators and Q&A session
12:00 pm Lunch
1:15 pm Generator Operation and Biogas Treatment (to reduce impurities)
2:30 pm Regulations and Safety
3:45 pm Break
4:00 pm Optimizing Anaerobic Digestion Systems: Performance Evaluation and Monitoring
4:50 pm Wrap-up Current Research and Research Needs
5:00 pm Break
5:30 pm Dinner and Social

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TUESDAY, FEBRUARY 24

Manure Irrigation in Wisconsin and the Human Health Risk:
- Dr. Mark Borchardt, UW-Madison
Manure Irrigation Practices and Recommendations for Use:
- Dr. Becky Larson, UW-Madison

11:00 am Manure Irrigation in Wisconsin and the Human Health Risk
12:15 pm Lunch
1:15 pm Manure Economics
2:00 pm Breakout Sessions
- A – Composting Virtual Tour
- B – Manure Processing: Livestock Water Recycling Systems

3:15 pm Breakout Sessions
- A – Evaluation of Feed Storage Leachate and Runoff System Design and Operation
- Dr. Aaron Wunderlin, UW-Discovery Farms
- B – Compact, Containerized Anaerobic Digester: On-Farm Energy Creation for Small-Medium Dairies
- Doug Renk, BioFerm USA

4:10 pm Break
4:45 pm Breakout Sessions
- A – Workforce Development – Manure Irrigation Practices
- B – Manure Economics

5:00 pm Break
5:30 pm Dinner and Social

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WEDNESDAY, FEBRUARY 25

7:00 am Registration and Refreshments
8:00 am Planning a Solid-Liquid Separation System to Meet Manure Treatment and Management Goals
- Dr. John Chastain, Clemson Univ.

8:45 am Manure Odor Management
- Dr. Kevin Janni, U of Minnesota
9:30 am Break
9:45 am DVO’s Ammonia and Nutrient Recovery Technology
- Stephen Ovorak, P.E.
10:30 am Nutrient Recovery Technologies from Animal Manure
- Dr. Ariel Szogi, USD&A-ARS

11:15 am Lunch
11:30 am Leave for Tours
12:30 pm Leave for Tours / Adjourn

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