



Dairyland Initiative Workshops

February 4 & 5, 2016 • Madison, WI

Improving Calf Barn Air Quality through Positive Pressure Tube Systems and Barn Design

Thursday, Feb. 4 • 8.4 CE credits • Sheraton Madison Hotel

As many dairies move away from hutches and into calf barns, positive pressure tube ventilation (PPTV) systems have emerged as a basic tool to improve air quality in calf barns. **Dr. Ken Nordlund** will present on building design and management to minimize respiratory disease in calves, deficits of common ventilation systems in calf barns, and principles of positive pressure tube systems.

Dr. Rebecca Brotzman and the **Dairyland Initiative staff** will lead participants through hands-on exercises to learn how to use the **Positive Pressure Tube Calculator** to create specifications for example barns.

Participants will leave this workshop with field-ready skills to improve respiratory health in calf barns, and will be listed on the **Dairyland Initiative website** as trained consultants in positive pressure tube design for calf barn. Following the workshop, trainees will have the opportunity to become a **Dairyland Initiative Certified Consultant** in PPTV design for youngstock housing.*

Positive Pressure Tube Design for Ventilation & Heat Abatement of Milking Center Holding Areas

Friday, Feb. 5 • 7.8 CE credits • Sheraton Madison Hotel

It is common practice to combine moving air and soaking for effective heat abatement, yet holding areas remain the hottest spot on the dairy. **Drs. Ken Nordlund and Nigel Cook** will present problems in holding area cooling, and how positive pressure tube systems provide a lower energy, effective solution for heat abatement.

Participants will learn how to use the Dairyland Initiative's **Positive Pressure Tube Calculator** with hands-on help from **Dr. Rebecca Brotzman** and the Dairyland Initiative staff to assist in learning the program through design examples. Following the workshop, participants will be listed on the **Dairyland Initiative website** as trained consultants in positive pressure tube design for holding area heat abatement.*

***Thursday's and Friday's** workshop participants must **bring a computer** that can run an **Excel spreadsheet**.

Free Wi-Fi will be available, but is not required.

The Dairyland Initiative is Sponsored by:





Dairyland Initiative Workshops

Thursday, February 4 8.4 CE Credits

Improving Calf Barn Air Quality through Positive Pressure Tube System and Barn Design

8:30 am	Registration open
8:45 am	Introduction and overview of the workshop materials
9:00 am	Summary of research and ventilation problems leading to PPTV systems
9:45 am	Introductions, staff and participants
10:00 am	Break
10:15 am	Principles of air diffusion tube design
11:00 am	Spreadsheet orientation & Problem Set No. 1: Design a tube system, step by step
11:45 am	Introduce ventilation measurement and troubleshooting tools
12:00 pm	Lunch (provided); Fogger demonstration outside
1:00 pm	Challenges and issues in designing tube systems
2:15 pm	Problem Set No. 2: Design a tube system
3:00 pm	Break
3:15 pm	Problem Set No. 3: Design a tube system;
4:00 pm	Preferred features of calf barns
4:45 pm	Presenting recommendations to clients
5:00 pm	Concluding remarks & questions
5:15 pm	Adjourn

Friday, February 5 7.8 CE Credits

Positive Pressure Tube Design for Ventilation & Heat Abatement for Milking Center Holding Areas

8:30 am	Registration open
8:45 am	Introduction and overview of the workshop materials
9:00 am	Heat stress and cow behavior
9:45 am	Introductions, staff and participants
10:00 am	Break
10:15 am	Introduction to use of positive pressure tubes in holding areas
11:00 am	Spreadsheet orientation & Problem Set No. 1: Design a tube system, step by step
11:45 am	Introduce ventilation measurement and troubleshooting tools
12:00 pm	Lunch (provided); Fogger demonstration outside
12:45 pm	Practical issues with holding area positive pressure tubes
1:45 pm	Problem Set No. 2: Design a tube system
2:30 pm	Break
2:45 pm	Examples of holding area installations
3:15 pm	Problem Set No. 3: Design a tube system
4:00pm	Presenting recommendations to clients
4:15 pm	Concluding remarks & questions
4:30 pm	Adjourn

Schedules are subject to change.

Location

[Sheraton Madison Hotel](#)

706 John Nolen Drive, Madison, Wisconsin 53713

The Sheraton Madison Hotel is conveniently located on the south side of Madison with easy access to Hwy 12, I-90-94-39 and only 8 miles from the [Dane County Regional Airport](#). [Click here](#) for driving directions from your location.

Lodging

Participants are responsible for making their own lodging arrangements, if needed. Lodging is available at the Sheraton Madison Hotel. A block of rooms is being held for workshop participants until January 4, 2016, \$119 for a single or double occupancy room. Call 888-627-7077 to make a reservation and use the reference code "Dairyland Initiative" to receive the discounted rate. Other local accommodations can be found at www.visitmadison.com.



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REGISTRATION

Registration is limited to 50 seats both days.

- \$350 Feb. 4: Improving Calf Barn Air Quality through Positive Pressure Tube Systems and Barn Design
- \$350 Feb. 5: Positive Pressure Tube Design for Ventilation & Heat Abatement of Milking Center Holding Areas
- \$650 Entire 2-day program

First Name: _____ Last Name: _____

Company: _____

Address, Street/PO Box: _____

City: _____ State: _____ ZIP: _____

Phone: (_____) _____ Fax: (_____) _____

Email: _____

VETERINARY PROFESSIONALS: Check here if you would like to receive continuing education credit for attending these sessions.

Register by Phone, Fax or Mail



Phone: Karl Olson (608) 265-5206
(Credit card information required)



Online: www.vetmed.wisc.edu/ce
(Credit card information required)



Fax: Karl Olson (608) 890-4821
(Credit card information required)



Mail: School of Veterinary Medicine
Continuing Education
2015 Linden Dr.
Madison, WI 53706-1102

Payment Method:

- Check enclosed (payable to: SVM)
- MasterCard Visa Discover Card

Cardholder Name: _____

Card # _____

Amount to be Charged: \$ _____ Exp. Date: _____

Program questions may be directed to:

Courtney Halbach, Associate Outreach Specialist
The Dairyland Initiative
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(608) 262-6800
courtney.halbach@wisc.edu

Registration, transportation & accommodation questions may be directed to:

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(608) 265-5206
karl.olson@wisc.edu