School of Veterinary Medicine, University of Wisconsin-Madison

The Dairyland Initiative WORKSHOPS

February 12, 13, and 14, 2014 ~ Sheraton Hotel ~ Madison, Wisconsin

100lb Dairyland Initiative Tours™ - *Wednesday, February 12*

More than just another set of farm tours, this event will give you an inside look at how farms have reached exceptional levels of production through remodeling or building new facilities that maximize well-being, health and performance. **Drs. Nigel Cook and Ken Nordlund** will talk about how these farms implemented the Dairyland Initiative's recommendations to reach their goals, and producers will add to the conversation by weighing in on their own experiences

First, we will tour **calf barns at Larson Acres** to view their unique and successful design, and supplemental positive pressure tube ventilation systems. Next will be **Majestic View Dairy for an "extreme makeover" freestall barn remodel,** which converted mattress stalls into deep sand bedding and added lunge space to sidewall stalls. Our final stop will be at **Mystic Valley Dairy, where cows are cooled in the holding area using positive pressure tube systems and sprinklers.** Mystic Valley's freestall barn also underwent a makeover to accommodate large, mature cows. A new growing heifer barn will be another highlight on this stop.

Planning New & Remodeling Existing Dairy Cattle Housing - *Thursday, February 13*

How do you ask your lender for money to build or remodel a barn and not add any additional milking cows? If you've struggled with this question, this workshop is for you!

Using The Dairyland Initiative website, which stores in one, easy to access location all the information you need to build or remodel a welfare-friendly dairy barn, **Drs. Nigel Cook and Ken Nordlund** will walk you through the steps to create facilities that make your cows happy, healthy and productive. You'll learn how to use the Transition Cow Index Partial Budget and other cost-benefit tools to show that the decision makes economic sense. We'll also use Virtual Tours of facilities to share ideas and the Wisconsin Blueprint to discuss everything that concerns the well-being and performance of the cow, including farm layout, milking center sizing, floor plans, stall design and more. ****Please bring a computer that can run an Excel spreadsheet to this workshop****

Design of Supplemental Positive Pressure Tube Systems for Improved Ventilation of Calf Barns - *Friday, February 14*

While natural ventilation and negative pressure mechanical ventilation are widely used for calf barns, both have problems that can be minimized with supplemental positive pressure tube systems.

Dr. Ken Nordlund will present on the deficits of common ventilation systems in calf barns, management of air quality and cold stress to minimize respiratory disease in calves through building design and management, and teach principles of positive pressure tube systems, including static pressure, uniform discharge along length of tube, and estimating throw distance of air from the tube to deliver appropriate volumes of fresh air to calves without creating drafts.

Participants will receive and learn to use the Dairyland Initiative's **Positive Pressure Ventilation Tube Calculator** to create specifications for example barns. Dairyland Initiative staff will be on-hand for plenty of one-on-one interaction.

Following the workshop, participants will be listed on **The Dairyland Initiative website** as trained consultants in positive pressure tube design for calf barns.

****Please bring a computer that can run an Excel spreadsheet to this workshop****

Wednesday, February 12

6.9 continuing education credits for DVMs

7:30 am	Board bus from the Sheraton Hotel in Madison
8:00 am	Depart from Madison
8:30 am	Arrive at Larson Acres and tour calf barns
9:45 am	Depart Larson Acres
10:45 am	15 minute rest stop in Dodgeville
11:45 am	Arrive at Majestic View Dairy and tour remodeled freestall barns
1:00 pm	Depart from Majestic View Dairy; Lunch on the bus (provided)
1:45 pm	15 minute rest stop in Dodgeville
2:45 pm	Arrive at Mystic Valley Dairy and tour remodeled freestall barns and milking center holding area
4:30 pm	Depart Mystic Valley Dairy
5:00 pm	Arrive at the Sheraton Hotel in Madison

February 13: Planning New and Remodeling Existing Dairy Cow Housing

6.9 continuing education credits for DVMs

8:30 am	Registration open. Light continental breakfast & coffee reception
9:00 am	Introduction and overview of the workshop
9:15 am	The science of cow comfort
10:30 am	Introductions, staff and participants
10:45 am	Break
11:00 am	Specifics of planning & remodeling: group sizing, alley widths, stalls, sidewall extensions & more
12:00 pm	Lunch (provided)
1:00 pm	Sand vs. Mattress, Stall Remodeling and Transition Cow Index™ partial budgeting tools
1:45 pm	Milking center holding area heat abatement: problems & a new solution
2:15 pm	Introduction of facility plan exercises
2:30 pm	Break & work on facility plan exercises
3:00 pm	Review & Discussion Plan A
3:30 pm	Review & Discussion Plan B
4:00 pm	Concluding remarks & questions
4:30 pm	Adjourn

February 14: Design of Positive Pressure Tube Systems for Improved Ventilation of Calf Barns

6.9 continuing education credits for DVMs

8:30 am	Registration open. Light continental breakfast & coffee reception
9:00 am	Introduction and overview of the workshop materials
9:15 am	Summary of research and ventilation problems leading to PPVT systems
10:00 am	Introductions, staff and participants
10:15 am	Break
10:30 am	Principles of air diffusion tube design
11:15 am	Spreadsheet orientation & Problem Set No. 1: Design a tube system for barn A, step by step
11:50 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
1:45 pm	Problem Set No. 2: Design a tube system for Barn B
2:15 pm	Review & Discussion of Problem Set No. 2
2:30 pm	Break
2:45 pm	Problem Set No. 3: Design a system for Barn C
3:15 pm	Review & Discussion of Problem Set No. 3
3:30 pm	Presenting recommendations to clients
4:00 pm	Concluding remarks & questions
4:30 pm	Adjourn

From past Workshop participants:

"One of the most useful seminars I have taken."

"Excellent, well-designed, plenty of time to answer questions."

"Very practical, working through the problem sets was excellent for reinforcing concepts."

"I feel very ready to go."

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.

Transportation

Click here for driving directions from your location.

Dane County Regional Airport (MSN) serves the Madison area.

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 12, 2014, $70 for a standard single room and $90 for a standard double room. Call 888-627-7077 to make your reservation and use the reference code "Dairyland Initiative" to receive the discounted rate. Other local accommodations can be found at **www.visitmadison.com**.

Participants must **bring a computer** that can run an **Excel spreadsheet** to Thursday and Friday's workshops.

Free wi-fi will be available, but is not required.

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REGISTRATION

Registration is limited to 40 seats in each workshop, and up to 75 seats for the tours

☐ $125 Feb. 12: 100lb Dairyland Initiative Tours™

☐ $275 Feb. 13: Planning New & Remodeling Existing Dairy Cow Housing

☐ $325 Feb. 14: Design of PPT Systems for Calf Barns

☐ $350 Feb. 12 & 13: 100lb Dairyland Initiative Tours™ AND Planning/Remodeling Dairy Cow Housing

☐ $550 Feb. 13 & 14: Planning/Remodeling Dairy Cow Housing AND Design of PPT Systems for Calf Barns

☐ $400 Feb. 12 & 14: 100lb Dairyland Initiative Tours™ AND Design of PPT Systems for Calf Barns

☐ $625 Entire 3-Day Program

$_____ **Total Fees**

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

Register by Phone, FAX or Mail

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

On-Line: www.vetmed.wisc.edu/ce
(Credit card information required)

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 Instructional Specialist
The Dairyland Initiative
(608) 262-6800
chalbach@wisc.edu

Registration, Transportation & Accommodation questions may be directed to:

Karl Olson, Continuing Education Program Assistant
(608) 265-5206
olsonk@vetmed.wisc.edu