

Ohio Dairy Health and Management Certificate Program
Module #11 – Dairy Cattle Facility Design with Emphasis on Animal Welfare
August 17-18, 2017

Hilton Garden Inn
3232 Olentangy River Road
Columbus, OH 43202

General objective: The overall objectives are to review facility designs for transition cows and approaches to assess “comfort”. It is important that you: 1) think critically about what kinds of questions to ask, (2) or what kind of data are available to you to help identify problem areas for an effective training program, and (3) provide an approach to problem-solving and consulting.

Learning objectives:

- Identify resources to build or improve facility designs for transition cows (e.g., free-stall barns).
- Identify facility design barriers negatively affecting “comfort” in transition dairy cattle.
- Identify tools to assess transition cow comfort and performance.

General requirements: Electronic mail account and access to internet.

THURSDAY, August 17, 2017

Time & Date	Topic(s)	Speaker(s)	Meeting
7:00-8:00 am	<i>Breakfast</i>		
8:00-8:10 am	Welcome	Dr. Gustavo M. Schuenemann	Hilton Garden Inn
8:10-9:00 am	What is cow comfort?	Dr. Katy Proudfoot, <i>The Ohio State University</i>	
9:00-10:00 am	The maternity area from the cow's perspective	Dr. Katy Proudfoot, <i>The Ohio State University</i>	
10:00-10:30 am	<i>Break</i>		
10:30-11:20 am	Stall design for transition barns	Dr. Nigel Cook, <i>University of Wisconsin-Madison</i>	
11:20 –12:00 pm	Culling and ventilation	Dr. Nigel Cook, <i>University of Wisconsin-Madison</i>	
12:00-1:00 pm	<i>Lunch</i>		
1:00-2:00 pm	Ideal barn design and planning	Dr. Nigel Cook, <i>University of Wisconsin-Madison</i>	Hilton Garden Inn
2:00-3:00 pm	Implication s of facility design on transition cows and their welfare	Dr. Nigel Cook, <i>University of Wisconsin-Madison</i>	
3:00-3:30 pm	<i>Break</i>		
4:00-5:00 pm	<u>Spring 2018</u> : Educational trip to visit the dairy industry in The Netherland, Denmark, and Germany (sites, dates, and costs)	Drs. Gustavo Schuenemann and Jeff Workman	
5:00-6:30 pm	Dinner and presenting “ Certificates ”		

FRIDAY, August 18, 2017

Time & Date	Topic(s)	Speaker(s)	Meeting
7:00-8:00 am	<i>Breakfast (at the Hotel)</i>		
8:00-8:40 am	Travel to Mt. Sterling Dairy	Group	Hilton Garden Inn
9:00-9:30 am	Overview of transition cow facility and management	Mr. Teun Verhoeven, Mt. Sterling Dairy and Twin Oak Dairy	
9:00-12:00 pm	Walk-through transition cow facility: Assessment of transition cow facilities to identify “barriers” associated with performance	Drs. Nigel Cook, Univrsity of Wisconsin and Gustavo Schuenemann, The Ohio State University	
12:00-1:00 pm	<i>Lunch</i>		
1:00-3:30 pm	<u>Group discussion</u> : Critiquing and analyzing the design of a cow-calf exposure pen	Mr. Teun Verhoeven, Mt. Sterling Dairy and Twin Oak Dairy Dr. Gustavo Schuenemann, The Ohio State University	
3:30 pm	<i>Adjourn</i>		

Speakers	Address	Contact Information
Katy Proudfoot, PhD Assistant Professor, The Ohio State University	A100K Sisson Hall, 1920 Coffey Rd., Columbus, OH 43210	Ph: 614-292-7570 proudfoot.18@osu.edu
Nigel Cook, MRCVS Professor in Food Animal Production Medicine Chair, Department of Medical Sciences	2015 Linden Drive Madison WI 53706	Ph (Office): 608-265-4981 nigel.cook@wisc.edu
Gustavo M. Schuenemann, DVM, MS, PhD Associate Professor, Dairy Extension Veterinarian The Ohio State University	A100S Sisson Hall 1920 Coffey Road Columbus, OH 43210	Ph: (614) 292-6924 schuenemann.5@osu.edu
Jeff D. Workman, MS, PhD OSU Veterinary Extension, Department of Veterinary Preventive Medicine, The Ohio State University	A100P Sisson Hall 1920 Coffey Road Columbus, OH 43210	Ph: (614) 292-9453 workman.45@osu.edu
Mr. Teun Verhoeven Twin Oak Dairy LLC and Mt Sterling Dairy	14380 Charleston-Chillicothe Rd, South Solon, OH 43153	Ph: (740) 874-9225 teun1967@hotmail.com