Ohio Dairy Health and Management Certificate Program

Module 2: Dairy Cattle Reproduction with Emphasis on Transition Cow Management in Confinement Systems
(August 7-8, 2014)
University Plaza Hotel; 3110 Olentangy River Road; Columbus, OH 43202

General objective: Increase the ability of veterinarians to identify and solve reproductive-related issues on dairy farms with an emphasis on transition cow management and interpretation of reproductive-related records.

Learning objectives:
- Identify reproductive programs for heifers and lactating dairy cows with emphasis on estrus detection
- Identify metrics and protocols for monitoring reproductive performance on dairy farms
- Identify risk factors associated with reproductive performance taking into account management practices and the environment
- Understand the relationship between transition cow management and reproductive success
- Identify practices that affect semen quality and delivery with emphasis on management factors
- Identify treatment protocols for anovular cows

General requirements: laptop computer, electronic mail account, and access to internet.

Items to be brought to program by participants: at least one reproductive-related request from a client's herd (heifers or lactating cows; repeat breeders, low CR, anovular cows, etc); lab analysis; relevant herd data/management, including feed analysis from the client's herd.

THURSDAY, August 7, 2014			
Time & Date	**Topic(s)**	**Speaker(s)**	**Meeting**
6:45-8:00 am	*Breakfast (provided)*		
8:00-8:15 am	Welcome & introduction	Gustavo Schuenemann, *DVM, MS, PhD* *Ohio State University*	Conference Room
8:15-9:20 am	Transition management: Grouping strategies and reproduction	Ricardo Chebel, *DVM, MPVM* *University of Minnesota*	
9:30-10:30 am	Monitoring transition management with emphasis on reproductive performance	Ricardo Chebel, *DVM, MPVM* *University of Minnesota*	
10:30-10:50 am	*Coffee Break (provided)*		
11:00-12:00 pm	Reproductive programs using activity monitors in dairy herds	Ray Nebel, PhD Select Sires, Inc.	Conference Room

12:00-1:00 pm	*Lunch (provided)*		
1:00-2:00 pm	*Case study*: New tools to monitor reproductive performance of dairy cows (benchmark)	Ricardo Chebel, *DVM, MPVM* *University of Minnesota*	Conference Room
2:00-3:00 pm	Phenotypic and genomic selection practices in dairy cattle: Challenges and opportunities	Pablo Pinedo, *DVM, PhD* *Texas A&M University*	
3:00-3:30 am	*Coffee Break (provided)*		
3:30-4:30 pm	Bull Breeding Soundness Examination	Troy. A. Brick, *DVM, MS* *Ohio State University*	Conference Room
4:30-5:00 pm	Present information (PCDART and DC305) to participants for the case-studies to be discussed on Friday	Gustavo M. Schuenemann, *DVM, MS, PhD* *Ohio State University*	
6:00 pm	*Social Hour and Dinner (provided)*		

FRIDAY, August 8, 2014			
Time & Date	**Topic(s)**	**Speaker(s)**	**Meeting**
6:45-8:00 am	*Breakfast (provided)*		
8:00-9:00 am	Activity monitors: Managing 1st and 2nd AI services	Julio O. Giordano, *DVM, MS, PhD* *Cornell University*	Conference Room
9:00-10:00 am	5-d vs 7-d CIDR programs	Joseph Dalton, *PhD* *University of Idaho*	
10:10-10:30 am	*Coffee Break (provided)*		
10:30-12:00 pm	Sexed semen: Best handling practices and recommendations	Joseph Dalton, *PhD* *University of Idaho*	Conference Room
12:00-1:00 pm	*Lunch (provided)*		
1:00-3:00 pm	*Case study*: Reproductive performance of dairy cows with emphasis on transition cow management - Ranking of priorities and recommendations	Julio O. Giordano, *DVM, MS, PhD* *Cornell University* Gustavo M. Schuenemann, *DVM, MS, PhD* *Ohio State University*	Conference Room
3:00-3:20 pm	*Coffee Break (provided)*		

3:20-5:30 pm	_Case study_: Reproductive performance of dairy cows with emphasis on transition cow management - Ranking of priorities and recommendations	Julio O. Giordano, _DVM, MS, PhD_ _Cornell University_ Gustavo M. Schuenemann, _DVM, MS, PhD_ _Ohio State University_	Conference Room
6:00 pm	_Adjourn - Social Hour and Dinner (provided)_		