

## Ohio Dairy Health and Management Certificate Program

Module 1: Dairy Cattle Reproduction with Emphasis on Transition Cow Management in Confinement Systems  
(May 1-3, 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.

<i>THURSDAY, May 1, 2014</i>			
Time & Date	Topic(s)	Speaker(s)	Meeting
6:45-8:00 am	<i>Breakfast (provided)</i>		
8:00-8:15 am	Welcome & introduction	Gustavo Schuenemann, <i>DVM, MS, PhD</i> <i>Ohio State University</i>	Conference Room
8:15-9:20 am	Physiology of the estrous cycle & commercial products/tools available	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i>	
9:30-10:30 am	Setting up a successful reproductive program – First AI services post partum	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i>	
10:30-10:45 am	<i>Coffee Break (provided)</i>		
10:45-12:00 pm	Semen quality/handling and delivery – Working with AI technician	Joseph Dalton, <i>PhD</i> <i>University of Idaho</i>	Conference Room

12:00-1:00 pm	<i>Lunch (provided)</i>		
1:00-2:00 pm	Setting up a successful reproductive program – Second or greater AI services post partum	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i>	Conference Room
2:00-3:00 pm	Use of technology in estrus detection programs	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i>	
3:00-3:15 am	<i>Coffee Break (provided)</i>		
3:15-4:30 pm	<u>Case study</u> : Reproductive performance of dairy heifers with emphasis on management factors	Joseph Dalton, <i>PhD</i> <i>University of Idaho</i>	Conference Room
4:30-6:00 pm	<u>Case study</u> : Epidemiology of pregnancy losses in lactating dairy cows	Gustavo Schuenemann, <i>DVM, MS, PhD</i> <i>Ohio State University</i>	Conference Room
6:00 pm	<i>Social Hour and Dinner at El Vaquero's Restaurant (provided)</i>		
<b>FRIDAY, May 2, 2014</b>			
<b>Time &amp; Date</b>	<b>Topic(s)</b>	<b>Speaker(s)</b>	<b>Meeting</b>
6:45-8:00 am	<i>Breakfast (provided)</i>		
8:00-9:00 am	Health and reproduction	Klibs. N. Galvão, <i>DVM, MPVM, PhD</i> , <i>Diplomate ACT</i> <i>University of Florida</i>	Conference Room
9:00-10:00 am	<u>Case study</u> : Reproductive performance of lactating dairy cows with emphasis on management factors	Klibs. N. Galvão, <i>DVM, MPVM, PhD</i> , <i>Diplomate ACT</i> <i>University of Florida</i>	
10:10-10:30 am	<i>Coffee Break (provided)</i>		
10:30-12:00 pm	Reproductive programs for dairy heifers with emphasis on estrous detection	Joseph Dalton, <i>PhD</i> <i>University of Idaho</i>	Conference Room
12:00-1:00 pm	<i>Lunch (provided)</i>		
1:00-2:00 pm	Reproductive programs for dairy heifers with emphasis on estrus detection	Joseph Dalton, <i>PhD</i> <i>University of Idaho</i>	Conference Room
2:00-3:00 pm	Strategies for anovular cows	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i> Klibs. N. Galvão, <i>DVM, MPVM, PhD</i> ,	

		<i>Diplomate ACT University of Florida</i>	
3:00-3:20 pm	<i>Coffee Break (provided)</i>		
3:20-4:30 pm	<i>Case study:</i> Anovular cow physiology	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i>	
4:30-6:00 pm	<i>Case study:</i> Approach for record analysis, interpretation and decision making	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i> Gustavo M. Schuenemann, <i>DVM, MS, PhD</i> <i>Ohio State University</i>	Conference Room
6:00 pm	<i>Social Hour and Dinner at El Vaquero's Restaurant (provided)</i>		
<b>SATURDAY, May 3, 2014</b>			
<b>Time &amp; Date</b>	<b>Topic(s)</b>	<b>Speaker(s)</b>	<b>Meeting</b>
6:00-7:00 am	<i>Breakfast (provided) and travel to Farm</i>		
8:00-11:00 am	<i>Farm visit:</i> The group will perform a risk assessment to identify areas for improvement on reproductive performance of lactating dairy cows: - Walk-through a farm (e.g., feed bunk management, cows, facility, personnel) - Review management practices (e.g., protocols, AI technician) - Review health/reproductive records - Etc.	Julio O. Giordano, <i>DVM, MS, PhD</i> <i>Cornell University</i> Gustavo M. Schuenemann, <i>DVM, MS, PhD</i> <i>Ohio State University</i>	On-farm
11:00-12:00 pm	Group discussion, ranking of priorities & development of recommendations		
12:00 pm	Adjourn		