

Ohio Dairy Health and Management Certificate Program

Module #10 – Vaccinology and Immunology

May 04-05, 2017

Hilton Garden Inn
3232 Olentangy River Road
Columbus, OH 43202

General objective: The overall objectives are to review transition cow management concepts and approaches to assess dairy cattle records accounting for the effect of management (especially on nutritional-related diseases). 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 and approaches to prevent and control infectious diseases within beef and dairy herds.
- Be able to develop and assess a vaccination program for dairy cows and replacement heifers.
- Identify resources and approaches for cattle disease diagnosis.
- Identify resources for a secure milk supply.

General requirements: electronic mail account and access to internet. Participants would need to bring a **disease case** (example: respiratory, mycoplasma, diarrhea, etc. in cows or replacement heifers) from your client's herd to share and discuss with the group. The case could be on-going field investigation or something you worked in the past few years. Please bring as much information as possible to generate meaningful group discussion.

THURSDAY, May 04, 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	Bovine respiratory disease in dairy cattle: diagnosis and control	Dr. Terry W. Lehenbauer, University of California-Davis	
9:00-10:00 am	BRD and mycoplasma	Dr. Terry W. Lehenbauer, University of California-Davis	
10:00-10:30 am	<i>Break</i>		
10:30-11:20 am	Genomic selection for improved BRD in dairy cattle	Dr. Terry W. Lehenbauer, University of California-Davis	
11:20 –12:00 pm	Roundtable discussion		
12:00-1:00 pm	<i>Lunch</i>		
1:00-2:00 pm	Diagnostic panels at ADDL	Dr. Jeff R. Hayes, Ohio Depart of Agriculture ADDL	Hilton Garden Inn
2:00-3:00 pm	<u>Case study</u> : diagnosis and control of “dermatophilosis” in dairy cattle in Ohio	Drs. Jeff Lakritz and Gustavo Schuenemann Ohio State University	
3:00-3:30 pm	<i>Break</i>		
3:30-4:20 pm	Secure Milk Supply program in Ohio	Dr. Eric Gordon, Ohio State University	
4:20-5:00 pm	Case presentation and group discussion	Participants	
5:00-6:30 pm	Dinner		

FRIDAY, May 05, 2017

Time & Date	Topic(s)	Speaker(s)	Meeting
7:00-8:00 am	<i>Breakfast</i>		
8:00-9:00 am	Update on Food-and-Mouth Disease	Dr. Rebecca Garabed, The Ohio State University	Hilton Garden Inn
9:00-10:00 pm	Vaccine selection: Understanding the host immune response	Dr. Jeff Lakritz, The Ohio State University	
10:00-10:30 am	Break		
10:30-12:00 pm	Vaccine program for dairy cows and calves	Dr. Lowell Midla, Merck Animal Health	
12:00-1:00 pm	<i>Lunch</i>		
1:00-2:00 pm	Using an immune-modulator “Imrestor” in transition dairy cows	Dr. Mark Armfelt, Elanco Animal Health	Hilton Garden Inn
2:00-3:00 pm	Prevention and control of <i>Mycoplasma</i>	Dr. Mohamed El-Gazzar, The Ohio State University	
3:00-3:30 pm	Break		
3:30-5:30 pm	Group presentations and round table discussion	Participants, Dr. Gustavo Schuenemann	
5:30 pm	<i>Adjourn</i>		

Speakers	Address	Contact Information
Jeff R. Hayes, DVM, MS Ohio Department of Agriculture Animal Disease Diagnostic Laboratory	Reynoldsburg, OH 43068	Ph: 614-728-6220 Jeffrey.Hayes@agri.ohio.gov
Mark Armfelt, DVM, Diplomate ABVP Dairy Dairy Technical Consultant, Elanco Dairy Business	Ohio	Ph (Office):740-668-2682 Mobile: 740-501-1532 armfelt_mark_a@elanco.com
Lowell T. Midla, VMD, MS Veterinary Technical Services Manager	Pennsylvania	Ph: 937-243-4357 Lowell.Midla@Merck.com
Gustavo M. Schuenemann, DVM, MS, PhD Associate Professor, Dairy Extension Veterinarian The Ohio State University	A100L Sisson Hall 1920 Coffey Road Columbus, OH 43210	Ph: (614) 292-6924 schuenemann.5@osu.edu
Terry W. Lehenbauer, DVM, MPVM, PhD, DACVPM-Epi. Associate Professor and Director Veterinary Medicine Teaching and Research Center	18830 Road 112, Tulare, CA 93274	Ph: (559) 331-0675 tlehenbauer@vmtrc.ucdavis.edu
Rebecca Garabed, VMD, MPVM, PhD Associate Professor, Department of Veterinary Preventive Medicine, The Ohio State University	A100G Sisson Hall 1920 Coffey Road Columbus, OH 43210	Ph: (614) 247-1842 garabed.1@osu.edu
Eric Gordon, DVM, DACVPM Associate Professor-Clinical, Department of Veterinary Preventive Medicine, The Ohio State University	16410 County Home Road Marysville, OH 43040	Ph: (937) 642-2936 gordon.46@osu.edu
Mohamed El-Gazzar, DVM, PhD, DACPV Assistant Professor and Poultry Extension Veterinarian, Department of Veterinary Preventive Medicine, The Ohio State University	A100Q Sisson Hall 1920 Coffey Road Columbus, OH 43210	Ph: (614) 247-1842 el-gazzar.1@osu.edu
Jeff Lakritz, DVM, PhD, DACVIM Professor, Department of Veterinary Clinical Sciences, The Ohio State University	601 Vernon Tharp St Columbus, OH 43210	Ph: (614) 292-6661 lakritz.1@osu.edu