

Ohio Dairy Health and Management Certificate Program
 Module #3 – Basic Dairy Cattle Nutrition
 December 4-6, 2014

Hilton Garden Inn
 3232 Olentangy River Road
 Columbus, OH 43202

General Objective: Increase the ability of veterinarians to identify and solve nutritionally related issues on dairy farms, especially reduce the incidence of nutritionally related diseases.

Learning objectives:

- Understand how to evaluate the quality of feeds and understand the concepts of dietary formulations
- Understand avenues to reduce variation on dairy farms in nutrient content of diets and grouping systems
- Able to conduct audits on dairy farms for improving quality of feed provided to cattle and reducing shrink
- Understand dry matter intake and limitations
- Understand current concepts and recommendations in dietary nutrients
- Able to assess the cost of feeding dairy herds and identify means for increasing profitability of the herds
- Able to evaluate feeding programs for transition cows and dairy replacements

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

Items to be brought to program by participants: at least one forage analysis; example diets for heifers, dry cows, and lactating cows from a client's herd; feed samples from client's herd

Time/Date	Topic	Speaker
Thursday, December 4		
8:00-8:15	Introduction	Dr. Gustavo Schuenemann
8:15-8:45	Interpreting a Feed Analysis	Dr. Maurice Eastridge
8:45-9:45	What's New With Feed Additives for Dairy Cows	Dr. Maurice Eastridge
9:45-10:00	BREAK	
10:00-10:30	Grouping Cows and Variation in Milk Yield Within Dairy Herds	Dr. Maurice Eastridge
10:30-12:00	Conducting TMR Audits and Reducing Shrink on Dairy Farms	Dr. David Greene
12:00-1:00	LUNCH	
1:00-1:45	Current Concepts in Protein Feeding	Dr. Bill Weiss
1:45-2:30	Carbohydrates: Sources and	Dr. Maurice Eastridge

	Processing	
2:30-3:15	Computer Programs for Ration Formulation and Interpreting Output	Drs. Bill Weiss and Maurice Eastridge
3:15-3:30	BREAK	
3:30-5:15	Review Homework Assignments	
5:30	DINNER	
7:00-8:00	Feed Sampling and Diet Variation	Dr. Bill Weiss

Friday, December 5		
8:00-8:30	Current Concepts in Feeding Fat	Dr. Maurice Eastridge
8:30-9:30	Feeding Pre-Weaned Calves	Dr. Bob James
9:30-10:15	Feeding Heifers: Weaning to Calving	Dr. Bob James
10:15-10:30	BREAK	
10:30-11:30	Practical Guidelines for Feeding Minerals and Vitamins	Dr. Bill Weiss
11:30-12:00	Water	Dr. Maurice Eastridge
12:00-1:00	LUNCH	
1:00-2:00	Update on Forages and By-Product Feeds	Dr. Bill Weiss
2:00-2:30	Mycotoxins	Dr. Maurice Eastridge
2:30-3:30	Monitoring Dry Matter Intake	Dr. Bill Weiss
3:30-3:45	BREAK	
3:45-5:00	Case Study	Drs. Bill Weiss and Maurice Eastridge
5:00	DINNER	
6:30-8:00	Effective Working Relationship Between the Nutritionist and Veterinarian	Dan Kurtz – Cows Come First Dr. Mark Hardesty, Maria Stein Vet Clinic
Saturday, December 6		
8:00-9:30	Cost of Feeding Dairy Cows	Dr. Normand St-Pierre

Speaker	Address	Contact Information
Dr. Bill Weiss Department of Animal Sciences The Ohio State University	311 Gerlaugh Hall 1680 Madison Avenue Wooster, OH 44691	330-263-3622 weiss.6@osu.edu
Dr. Maurice Eastridge Department of Animal Sciences The Ohio State University	221B Animal Science Building 2029 Fyffe Court Columbus, OH 43210	614-688-3059 eastridge.1@osu.edu
Dr. Gustavo Schuenemann Department of Veterinary Preventive Medicine The Ohio State University	A100 Sisson Hall 1920 Coffey Road Columbus, OH 43210	614-292-9453 schuenemann.5@osu.edu
Dr. David Greene Dairy Field Technical Service Diamond V		(423) 871-3585 dgreene@diamonddv.com
Dr. Robert E. James Professor, Dept. of Dairy Science, Virginia Tech	Blacksburg, VA 24061-0315	(540) 231-4770 Fax: (540) 231-5014 Email: jamesre@vt.edu
Dr. Normand St-Pierre Department of Animal Sciences The Ohio State University	221C Animal Science Building 2029 Fyffe Court Columbus, OH 43210	614-292-6507 st-pierre.8@osu.edu
Mr. Dan Kurtz Cows Come First	6051 Roller Road Salem, OH 44460	(330) 533-2560 dkurtz1@aol.com
Dr. Mark Hardesty Maria Stein Animal Clinic	8155 SR 119 Maria Stein, OH 45860	(419) 305-1184 hvcow@bright.net