5th Annual MAC Regional Dairy Extension In-service Training Program
June 11, 12, and 13, 2003
Woodlands Inn and Resort
Wilkes-Barre-PA

New Dairy Technologies: Focusing on the Milking Center and Reproduction

June 11

10:00 a.m. Registration, Gary Anderson and Dave Marcinkowski, University of Maine

Moderator: Bob Van Saun, Pennsylvania State University

11:00 a.m. Welcome
Bob Peters, University of Maryland

11:10 a.m. How to Manage in a Competitive Dairy Economy: A Western U.S. Perspective
Keynote speaker: Mark Wustenberg, Monsanto

12 noon Lunch

Moderator: Beth Claypoole, Cornell Cooperative Extension

1:00 p.m. Evaluating Milking Center Alternatives: Design, Sizing, and Cost
Larry Jones, Vice President, FARME Institute

2:00 p.m. Evaluating Parlor Efficiencies
Mark Wustenberg, Monsanto

3:00 p.m. Break

3:15 p.m. Evaluating Technologies to Include in the Parlor
Larry Jones, Vice President, FARME Institute

4:00 p.m. Adjourn

5:00 p.m. Cash bar

Dinner is on your own

June 12

6:30 a.m. Breakfast

Moderator: Julie Smith, University of Vermont

8:00 a.m. Evaluating Milking Equipment Performance
Steve Spencer, Professor Emeritus, Pennsylvania State University, and Owner, Spencer Consulting

9:00 a.m. Evaluating milking procedures and management practices to produce quality milk
Ytne Schukken, Cornell University

10:00 a.m. Break
10:20 a.m. Strategies for Increasing Milk Production Through More Frequent Milking
Mark Varner, University of Maryland

11:05 a.m. Evaluating Cost-effectiveness of Information Available from Parlor Technology.
Brad Hilty, Dairy Alliance, Pennsylvania State University

12:00 noon Lunch

**Moderator: Mike Westendorf, Rutgers University**
1 p.m. – 3 pm. Case Studies (Concurrent sessions)
   · Build new or remodel existing milking facilities
     o Brad Hilty/Dan McFarland, Pennsylvania State University
   · Solving a mastitis problem
     o Sheila Andrew (University of Connecticut)/Bob Van Saun (Pennsylvania State University)

3:00 p.m. Adjourn – Free Afternoon

6:00 p.m. Dinner

**Moderator: Mike O’Connor, Pennsylvania State University**
7:00 p.m. Innovative Programs and Ideas
9:00 p.m. Adjourn

**June 13**

**Theme: New Technologies in Reproductive Management**

6:30 a.m. Breakfast

**Moderator: Gary Anderson, University of Maine**
8:00 a.m. Synchronization Technologies
Invited speaker: Paul Fricke, University of Wisconsin

9:00 a.m. Pedometers and other new Technologies for Reproductive Management
Mark Varner, University of Maryland

10:00 a.m. Break

10:20 a.m. Using Ultrasound in Reproductive Management
Paul Fricke

11:05 a.m. Transition Cows: Nutrition and Reproductive Performance
Bob Van Saun, Pennsylvania State University

11:50 a.m. Evaluation and Adjourn
RATIONALE

Dairy producers are constantly challenged to make sound decisions that help them remain competitive and profitable. The keynote speaker, Dr. Mark Wustenburg, will be discussing how to manage in a competitive dairy economy. In addition, Dr. Paul Fricke, University of Wisconsin, will be the invited speaker on the most recent advances for improving reproductive management on the farm. This training program also reviews the options of modernizing the milking parlor with new technologies, new research on milking frequency, and cost-effectiveness of these new ideas. A new session on case studies has been added to this inservice program so the Extension educator has tools to assist in teaching by example.

FORMAT

All presentations will be made by experts working in the field of dairy production and farm management. Participants will take home a notebook and a CD-ROM packed with powerpoint presentations, articles, worksheets, and publications relating to management on dairy farms.

ABOUT MAC And FUNDING

The Mid-Atlantic Consortium (MAC) was originally funded by the W. K. Kellogg Foundation from 1998-2002. Colleges and universities in the Middle Atlantic and Northeast region worked together to improve dramatically the education of food systems professionals in the areas of animal science undergraduate education and dairy Extension. The Kellogg funding for this project ended in 2002. Now the funding is supported primarily through registration fees of participants. The Steering Committee wishes to acknowledge a $2,000 gift from USDA CREES to support the 2003 MAC Inservice Training Program.

HOTEL RESERVATIONS

A block of rooms has been reserved for conference participants at the Woodlands Inn and Resort near Wilkes-Barre, Pennsylvania. Hotel reservations should be made directly with the Woodlands Inn and Resort by May 10. Please call 1-800-762-2222 and mention MAC Dairy Inservice to receive the special convention rate only of $85 single or $95 double, plus 11% tax. Check the website for information on the Woodlands and site map:

DIRECTIONS

- From Philadelphia: Take Northeast extension of PA Turnpike North to Exit 36. Turn left onto route 115 North.

- From New York City: Take I-80 west to exit 43 (Blakeslee), turn right on to route 115 North, travel 20 miles to exit #1. Turn left at light on route 315 north. Woodlands is 1/4 mile on the right.

- From Washington DC, Northern Virginia & Baltimore area: Take interstate 95 north to 476 north to Pa Turnpike (also 476 north) to exit 36. Take left at stop sign onto route 115 north to exit 1, turn left at light onto route 315 north. Woodlands is 1/4 mile on right.

- From Pittsburgh and Southwestern Pennsylvania: Take route 22 east to Altoona and route 220. Take route 220 Millersburg and interstate 80 east. Take 80 east to interstate 81 north to exit 47B then exit 1, turn left onto route 315 north. Woodlands is 1/4 mile on right.

- From Central New Jersey: Take route 287 west to route 78 west towards Phillipsburg, NJ., take 22 west towards Easton, PA. When in Easton take Pa. route 33 north to interstate 80 west to exit 43 (Blakeslee). At stop sign turn right onto route 115 north, travel approximately 20 miles to exit 1, turn left at the light onto route 315 north. Woodlands is 1/4 mile on right.

- From Connecticut and New England: Take interstate 84 west to interstate 380 west to interstate 81 south, get off at exit 47B, then exit 1, turn left at the light onto route 315 north. Woodlands is 1/4 mile on right.

- From Williamsport and North Central Pennsylvania: Take route 118 east to route 415. At the intersection of 118 and 415 turn right at the light onto route 415/309 south. Take 309 south to exit 1, turn left at the light onto route 315 north. Woodlands is 1/4 mile on right.

SPEAKERS

Mark Wustenburg, Monsanto, Oregon
Larry Jones, Vice President, FARME Institute, Homer, NY
Steve Spencer, Professor Emeritus, Pennsylvania State University and Owner, Spencer Consulting, State College, PA
Ytne Schukken, Milk Quality Promotion Services, College of Veterinary Medicine, Cornell University
Mark Varner, Department of Animal and Avian Sciences, University of Maryland
Brad Hilty, Dairy Alliance, Pennsylvania State University
Dan McFarland, Pennsylvania State Cooperative Extension
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5th Annual Middle Atlantic Consortium - Dairy Extension Educator Inservice Training Program
June 11-13, 2003

Woodlands Inn & Resort, 1073 Highway 315, Wilkes-Barre, PA 18702

REGISTRATION FORM (please print or type)

Full Name ____________________________

Business/Affiliation ____________________________

Address ____________________________________________

City ____________________________ Zip ____________

Phone ____________________________

E-mail ____________________________

Registration for this inservice is $100 and must be received by May 16th. Registration covers breaks, meals, and educational materials.

Please make your check payable to University of Maryland and return to:

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