

Calf Management Practices

Core Competencies

Session 1

- ✓ Identifying navel dip solution
- ✓ Determining the gender of a newborn calf
- ✓ Soaking a navel with navel dip
- ✓ Evaluating navel condition at 24 hours
- ✓ Restraining a newborn calf for feeding and tagging; inserting a metal ID tag and a plastic RFID button in a calf's ear
- ✓ Feeding a calf with a bottle and with a tube or esophageal feeder
- ✓ Giving an intramuscular or subcutaneous injection and giving intranasal vaccine
- ✓ Preparing stored colostrums for feeding a newborn calf
- ✓ Mixing milk replacer; measuring temperatures of liquids fed to calves; feeding milk or milk replacer
- ✓ Cleaning mixing and feeding equipment
- ✓ Observing for scours and respiratory illness
- ✓ Measuring body temperature of a calf

Session 2

- ✓ Determining colostrum quality; preserving colostrum for later feeding; using colostrum supplements and replacements correctly
- ✓ Selecting and monitoring milk replacer mixing procedures; deciding how much milk replacer to feed
- ✓ Selecting and monitoring wash up procedures
- ✓ Feeding water and managing water buckets; feeding starter grain and managing buckets
- ✓ Storing, preparing and giving vaccines
- ✓ Inserting plastic ear tags
- ✓ Maintaining calf record system

Vet Assisted:

- ✓ Diagnosing and treating scours
- ✓ Diagnosing and treating respiratory illness
- ✓ Diagnosing and treating navel infections
- ✓ Diagnosing and treating umbilical hernias
- ✓ Dehorning

New Dairy Institute Receives Full Support From The Wyoming County Board Of Supervisors

“The Wyoming County Board of Supervisors fully supports and applauds the new initiative by Wyoming County Cornell Cooperative Extension and collaborators which created a Dairy Institute in our county.

Dairy and agriculture accounts for the largest financial segment of our local economy. In 2006, Former Governor Pataki proclaimed Wyoming County to be the “Leading Dairy County” in New York State. When considering these facts, it makes sense to locate an educational opportunity such as this in Wyoming County.”

-**Doug Berwanger**, Chairman of the Wyoming County Board of Supervisors

For more information, please contact:

Cornell Cooperative Extension of Wyoming County
401 North Main Street ▪ Warsaw, NY 14569

585-786-2251

Register online at:

www.wyomingcountydairyinstitute.com

The Wyoming County Dairy Institute has been created in collaboration with the following associations.



Wyoming County Dairy Institute

Presents

Calf Management Practices



**January 8, 2008 to
January 31, 2008**

Weekday Classes Begin At 7:00 p.m.

Classes To Be Held At:

Cornell Cooperative Extension of Wyoming County
401 North Main Street—Warsaw, NY

Calf Management Practices



Course Syllabus

***Weekday Classes Begin at 7:00 p.m.**

- Tues. Jan 8 **Caring for the Newborn Calf**
Includes care at birth, cow and calf immunology, disease management (Johne's, coccidiosis, cryptosporidiosis, mycoplasma, salmonella) and colostrum management.
- Tues. Jan 15 **Feeding Neo-Natal Calves – Feeding Preweaned Calves up to Weaning**
Includes nutrition concepts, seasonal adjustments for feeding, setting growth goals.
- Thurs. Jan 17 **Weaning Calves, Managing Transition Calves**
Includes rumen development, starter grain selection and management, preparation for on-farm session one.
- Sat. Jan 19 **Farm Visit to Table Rock Farm, Castile**
- Tues. Jan 22 **Field Trip**
- Thurs. Jan 24 **Keeping Calves Healthy**
Includes diagnostic procedures, sanitation procedures, biosecurity, zoonotic diseases, role of feed additives, and preparation for on-farm session two.
- Sat. Jan 26 **Farm Visit to Boxler Farm, Varysburg**
- Tues. Jan 29 **Achieving Efficiency in the Calf Enterprise**
Includes economic comparisons for pasteurized milk vs. milk replacer, for alternative feeding and housing systems, labor
- Thurs. Jan 31 **Grouping Calves, Housing Calves**
Includes building design, ventilation, group management, materials handling.

For more information, visit us online at:
www.wyomingcountydairyinstitute.com

Instructor



Dr. Sam Leadley
Attica Veterinary Associates
sleadley@rochester.rr.com

Sam Leadley, Ph.D., P.A.S., is a graduate of Cornell University. He is the Clinic's consultant on Calf/Heifer Management. In cooperation with Dr. Steve Mason, Sam is the co-author of the CD "Calf Manager".

Sam is also the editor of Calving Ease, a monthly newsletter for calf raisers, contributes a column for the vet clinic's monthly newsletter and is the author of the "Calf Connection" column in the Northeast Dairy Business magazine.

In cooperation with the vet clinic's laboratory, Dr. Leadley runs the Colostrum Quality Control Program for dairy farms committed to TQM and willing to apply HACCP methods to colostrum management. Sam also lectures and teaches classes in calf management throughout the Northeast and Midwest.

Facilitator



William H. Maddison
Executive Director
Cornell Cooperative Extension
of Wyoming County
whm9@cornell.edu

What is the Wyoming County Dairy Institute?



The institute was developed to provide workforce development opportunities for the dairy industry in Wyoming County. The initial focus is creating standalone learning modules that lead to certification as a herdsman. Individuals participating in this program for the certification must complete all modules, which are listed below. Others not desiring certification may select individual modules.

Modules Leading to Certification

All modules are eligible for Continuing Education Credits.

1. The Biology and Management of Producing Quality Milk
2. Utilizing Dairy Comp 305 to Efficiently Manage Cows and Maximize Profits
3. Calf Management Practices
4. Management of the Transition Cow
5. Herdsmanship, Herd Health and Lameness
6. Cattle Reproductive Management
7. Cattle Feed Management

Target Audience

Any individuals looking to enhance their knowledge and skills in the dairy industry.

How To Apply

You can apply online at www.wyomingcountydairyinstitute.com or contact the Extension office at (585) 786-2251.

Cost Per Course

Cornell Cooperative Extension Enrollee	\$75
Non-Cornell Cooperative Extension Enrollee	\$95