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**Teaching an Integrated Approach to Hoof Health**

## **Advanced Hoof Health Course Topics and Reference Materials**

### **Trouble-shooting Lameness & Managing Hoof Health**

- Dairy Cattle Lameness: Causes and Effects, Karl Burgi
- Why Cows Get Lamé and Stay Lamé, Karl Burgi
- Trouble-shooting Lameness Outbreaks, Karl Burgi
- Finding Answers to the Critical Questions that Link Cow Comfort with Lameness in Dairy Herds, Nigel Cook
- Prevent Lameness by Managing Hoof Health, Karl Burgi
- Guidelines for a Successful Hoof Health Program, Karl Burgi
- Raise Heifers with Healthy Hooves, Karl Burgi
- Key Performance Monitoring of Dairies, Jim Barmore

### **Dairy Facilities**

- Dimensions and Design Tips for Freestalls, Nigel Cook
- A Flowchart for Evaluating Dairy Cow Freestalls, Ken Nordlund and Nigel Cook
- Improving the Bottom Line: More Cows or Less Crowding, Jim Barmore
- Custom Bullfloat for Grooving Wet Concrete, Karl Burgi
- AGRI-TRAC Concrete Floor Texturizing

### **Heat Stress & Cooling**

- Prepare Cows' Feet in May and June for Summer's Heat, Karl Burgi
- Keeping Cows Cool, Where Do I Start?, J. Smith, J. Harner III, M. Brouk
- Hot Weather Management Techniques for High-Producing Dairy Operations, Jeff Kearnan
- The Effect of Heat Stress and Lameness on Time Budgets of Lactating Dairy Cows, N. Cook, R. Mentink, T. Bennet and K. Burgi

### **Nutrition & Feeding Management**

- Slides handout:* Bed and Breakfast Nutrition: The Keys to Foot Health, Jim Barmore
- Designing Diets to Minimize Rumen Acidosis and Laminitis in Dairy Cattle, James Nocek
- Understanding Cow Behavior from a nutritional Perspective, Trevor DeVries and Marina von Keyserlingk
- Fine-tuning the Ration Mixing And Feeding of High-Producing Herds, Jim Barmore
- Tips on Feeding and Bunk Management, Jim Barmore
- Processing Corn for Optimum Utilization, Spence Driver and Rod Martin
- Measuring Physically Effective Fiber On-farm to Predict Cow Response, K. Cotanch and R. Grant
- Forage Management from a Nutritionist's Perspective, Greg Bethard
- The Silage Triangle and Important Practices Often Overlooked, K. Bolsen, B. Brent, M. K. Siefers, E. Uriarte, T. Schmidt and R. Pope
- Corn Silage Feeding Considerations, Bill Mahanna
- Silage Management: Common Problems and Their Solution, K. Bolsen
- Management of Bunker Silos, Bill Stone

### **Hoof Trimming**

- Slides handout:* Adequacy of Functional Trimming Procedures of Rear Feet Collected From a Slaughterhouse, Karl Burgi
- Slides handout:* Three Adaptions to the Functional Trimming Method, Karl Burgi
- 7-TRIM RULE™ Guidelines, Karl Burgi

Step 1 through 5 of Functional Hoof Trimming  
abc Foot Record Form

**Diseases**

*Slides handout:* Hairy Attack: A New Lesion Affecting the Corium of The White Line - A Case Report, Karl Burgi  
A Visual Guide To Scoring Lesions of the Claw Using a Modified abc Lesion Scoring System, Karl Burgi and Nigel Cook  
Bovine Hoof Lesion Identification and Severity Score Sheet, for use with the abc Lesion Scoring System, Karl Burgi and Nigel Cook  
Immunity: Why Some Herds are Prone to Infectious Claw Diseases, D. Tomlinson, M. Socha, J. DeFrain, K. Burgi  
Pathogenesis Of Sole Lesions Attributed to Laminitis in Cattle, Ch. J. Lischer and P. Ossent

**Treatments**

Lame Cow Action Steps, Karl Burgi  
Arthrodesis: Surgically Fusing a Joint, Barry Kleppe  
Arthrodesis, Paul Greenough and R. David Weaver  
What Hoof Trimmers Need to Know About Drugs, Barry Kleppe

**Footbath Management**

Footbath Protocol, Karl Burgi  
Footbath Alternatives, Nigel Cook  
Effective Footbath Programs for Dairy Cows, Vigortone®  
Foot Baths Key Points, Zinpro Corporation  
FootBath Booster, Dairy Solutions Inc.  
Nox-Wartz, Dairy Solutions Inc.

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