

Silage for Dairy Farms

Growing, Harvesting, Storing, and Feeding

A CONFERENCE FOR DAIRY PRODUCERS AND THEIR ADVISORS

- ♦ January 23–25, 2006
- ♦ Radisson Penn Harris Hotel and Convention Center
- ♦ Camp Hill (Harrisburg), Pennsylvania

Silage for Dairy Farms will focus on silage management for improved profitability and reduced environmental impact. Each farm's unique situation determines the most efficient strategy for silage production and feeding. This conference seeks to improve your knowledge so you can improve strategies for your farm or the farms you serve.

Over 35 speakers will share their knowledge and answer your questions about growing, harvesting, storage, feeding, mycotoxins, and nutrient management. Speakers include agronomists, animal scientists, engineers, crop scientists, nutrient management planners, plant pathologists, and veterinarians from across the United States. New research results and practical experience will be presented.

Silage for Dairy Farms will interest dairy producers and their employees, producer

advisors, farm managers, agribusiness, extension educators, agronomists, crop scientists, dairy scientists, engineers, nutrient management planners, nutritionists, plant pathologists, and veterinarians.

Conference Program

The conference will begin at 12:30 P.M. on January 23 and end at 12:30 P.M. on January 25. A reception/exhibit session will be held the evening of January 23. Evening discussion sessions are planned for January 24. (See other side for more information.) Ample time will be allotted for questions and discussion. Conference session and presentation titles are listed below:

Managing Nutrients through Forages

Forages and Whole-Farm Nutrient Management • Forage Management, Farm Management, and Profitability • Nitrogen and Phosphorus Dynamics in Soil-Water-Crop Systems: A Long-term Field Study Comparing Manure Strategies on Three Forages • Managing Nutrients through Precision Feed Management

Producing Crops for Silage

Grass Silage Management • Opportunities and Challenges of Managing Sorghum Sudangrass as a Silage Crop • Minimizing Wheel-Track Effects on Forages • Moisture Content in Corn Silage: Targets and Methods • Corn Populations and Row Spacing • Corn Hybrids and Silage Production: Biotech to BMR

Mycotoxins: Sources and Management

Mycotoxins and Mycotoxigenic Fungi in Silages • Management of Mycotoxins in the Field • Management of Mycotoxins at Feeding: Use of Binders and Additives • Mycotoxin Testing: What Works and What Doesn't with Silages

Harvesting Forages

Custom Harvesting—How to Make It Work for You • Crop Processing—What We've Learned • Baleage Systems—What's Working Best Today? • Harvest and Storage Safety • A Systems Approach to Field Operations • Wide- versus Narrow-Swath Harvest—Machinery Aspects • Wide- versus Narrow-Swath Harvest—Feed-Quality Aspects • New Forage Machinery Developments

Silage Storage Strategies

Density in Silage Storages • Deciding on a Silage Storage Type • Bunker Silo De-

sign, Construction, and Management • Cover Strategies

Silage Feeding Considerations

Forage Biosecurity Issues for Dairy Cattle • Utilizing NDFD in Ration Evaluation and Formulation • Corn Silage Starch Digestibility—What's New? • Fermentation Analysis—How Do We Use This in the Field? • Aerobic Stability of Silages • Adjusting Silage-Based Rations to Improve Nutrient Efficiency • Adjusting Dairy Cattle Rations to Account for Variation in Silage Quality • Silage Feeding Considerations in Non-TMR Herds

Conference Speakers

The following experts have agreed to present at the conference:

- Douglas Beegle, Penn State
- Keith Bolsen, Kansas State University
- Dennis Buckmaster, Penn State
- Paul Cerosaletti, Cornell Cooperative Extension
- Larry Chase, Cornell University
- Jerry Cherney, Cornell University
- William Cox, Cornell University
- Erick De Wolf, Penn State
- James Ferguson, University of Pennsylvania
- Richard Grant, W. H. Miner Agricultural Research Institute
- Kenneth Griswold, Penn State Cooperative Extension
- Joe Harrison, Washington State University
- Jud Heinrichs, Penn State
- Brian Holmes, University of Wisconsin
- Virginia Ishler, Penn State
- David Kendra, USDA/ARS
- Thomas Kilcer, Cornell Cooperative Extension
- Gretchen Kuldau, Penn State
- Limin Kung, University of Delaware
- Joseph Lauer, University of Wisconsin
- Richard Muck, USDA/ARS
- Dennis Murphy, Penn State
- Jonathan Orr, Orrson Custom Farming LLC
- Mark Powell, USDA/ARS
- Caroline Nowak Rasmussen, Cornell University
- Greg Roth, Penn State
- George Rottinghaus, University of Missouri
- C. Alan Rotz, USDA/ARS
- Ronald Schuler, University of Wisconsin

(speaker list continued on other side)

Conference Speakers

(continued from other side)

- Randy Shaver, University of Wisconsin
- Kevin Shinnors, University of Wisconsin
- William Stone, Cornell University
- John Tyson, Penn State Cooperative Extension
- Daniel Undersander, University of Wisconsin
- Robert Van Saun, Penn State
- Lester Vough, University of Maryland
- Mark Yarish, Land O' Lakes/Purina

Evening Reception/Exhibits

On January 23, there will be an evening reception and exhibit session. The three-hour session will include food sufficient for a light dinner and as many as 35 company exhibits. Don't miss this opportunity to talk with knowledgeable company representatives about their products.

Evening Discussions

On January 24, from 7:30 to 9:30 P.M., there will be several concurrent evening discussions. Topics will include nutrient management with forages, custom harvesting, experiences with filling bunker silos and piles, and high-chop corn.

Hands-On Demonstrations

Several hands-on demonstrations during the conference will focus on comparing silage quality for various types of covers, moisture measurement at harvesting, kernel processing, using the Penn State particle separator, and silage density.

Sponsors and Exhibitors

The levels of conference sponsorship are Silver, Gold, and Platinum, with progressively greater benefits and costs. Each sponsor receives an exhibit space. A reception will be held in the exhibit area on January 23 (see above). All conference breaks will be held in the exhibit area, and exhibits can stay up throughout the conference. Companies interested in sponsoring should contact NRAES or visit the conference web site for more information.

Conference Planners

Each conference planner below led a committee in developing a session program. Committees included researchers, educators, and advisors from universities, industry, and government.

- Larry Chase, Department of Animal Science, Cornell University

REGISTRATION FORM – Silage for Dairy Farms Conference

Name* _____
Affiliation* _____
* As you'd like them to appear on your name tag.
Address _____

City _____
State/province _____
Zip/postal code _____
Country _____
Phone _____
Fax _____
E-mail _____

The registration fee is **\$245** if postmarked or received by **January 4, 2006**, and **\$285** after this date. The fee includes one conference admission, the evening reception/exhibit session, evening discussions, one lunch, break refreshments, and a conference proceedings. Please check the payment method below and fill in the amount:

My check/money order, made payable to NRAES in the amount of \$_____, is enclosed. (U.S. funds only. Returned checks incur an additional charge of \$25.)

Please charge my credit card in the amount of \$_____. (Circle card type below and complete the information. Your card will be charged on the day your registration form is received.)



CREDIT CARD NUMBER

_____|_____|_____|_____|_____|_____|_____|_____|_____|_____|_____|_____|

EXPIRATION DATE

_____|_____|

* Signature required on credit card orders; please sign below.

*Signature _____

NOTE: The final program may vary slightly from the one outlined in this flier.

REFUND POLICY: Requests for refunds must be postmarked or received by January 13, 2006. There is a \$25 processing charge.

Return this form and payment to NRAES • Cooperative Extension • PO Box 4557 • Ithaca, NY 14852-4557
Phone (607) 255-7654 • Fax (607) 254-8770 • E-mail NRAES@CORNELL.EDU • Web site WWW.NRAES.ORG
Federal ID number 15-600-2250

- Joe Harrison, Nutrient Management Specialist, Washington State University
- Brian Holmes, Department of Biological Systems Engineering, University of Wisconsin
- Gretchen Kulda, Department of Plant Pathology, Penn State
- Greg Roth, Department of Crop and Soil Sciences, Penn State

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Hotel Information

The Radisson Penn Harris Hotel and Convention Center has reserved a block of rooms for attendees until January 4, 2006. Contact the hotel at (717) 763-7117 to make reservations. Mention "Silage" to get the special rate of \$84 per night plus

8% occupancy tax. The hotel provides complimentary shuttle service from the Harrisburg International Airport.

Continuing Education Credits

Continuing education credits will be requested from the American Registry of Professional Animal Scientists (ARPAS) and the Northeast Region Certified Crop Advisers (CCA).

About NRAES

NRAES, the Natural Resource, Agriculture, and Engineering Service, is a not-for-profit program dedicated to assisting land grant university faculty and others in increasing the public availability of research- and experience-based knowledge. NRAES is sponsored by 14 land grant universities in the eastern United States. For more information about the program or our books and conferences, contact:

NRAES, Cooperative Extension
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