

Registration

Conference Registration Fee: **\$90.00**

Compost Barn Tour: **\$40.00 additional**

At the Door (*only on conference day*): **\$130.00**

- » Space is limited. Pre-register by **June 4, 2007** to ensure a reservation.
- » You must be registered for the conference to be eligible for the tour.
- » Registration at the door will be accepted for the Conference only, and only if space is available.

Register On-line (*credit cards only*)

To register on-line, go to:

<http://www.ansci.umn.edu/compostbarnconf.htm>

OR

Register by Mail (*checks only*)

Send check payable to 'University of Minnesota', along with name, address, telephone number and email address, to:

Bonnie Rae
Dept of Animal Science
University of Minnesota
1364 Eckles Avenue
St. Paul, MN 55108

Cancellations

Should you need to cancel, please contact Bonnie Rae at (612) 624-4995 or bjrae@umn.edu. Sorry, no refunds after June 15, 2007.

Contact Information

Marcia Endres, Program Coordinator
Department of Animal Science
University of Minnesota, St. Paul

Tel: (612) 624-5391

Email: miendres@umn.edu

Website: <http://www.ansci.umn.edu>

Conference Location

Holiday Inn-Burnsville
14201 Nicollet Avenue South
Burnsville, Minnesota

Tel: (952) 435-2100 / Toll Free: (888) 463-7200

Web: <http://www.hiburnsville.com>

Holiday Inn-Burnsville has a block of rooms reserved for attendees of the Compost Dairy Barn Conference at a rate of \$95.00 per night. The block will be held until June 7, 2007. Please contact the hotel for room reservations.

Holiday Inn-Burnsville is located off County Road 42 at the junction of Interstate 35E & 35W. The hotel provides free shuttle service to and from the Minneapolis/St. Paul Airport and the Mall of America.

From the Northeast: Take I-35E south to Cty Rd 42 (Exit 88B); right on Cty Rd 42; one block to Nicollet Ave; right on Nicollet to Holiday Inn.

From the Northwest: Take I-35W south to Cty Rd 42 (Exit 1); left on Cty Rd 42 to Nicollet Ave; left on Nicollet to Holiday Inn.

From the South: Take I-35 north to the I-35E exit; take the right fork to Cty Rd 42; left at Cty Rd 42; one block and turn right on Nicollet Ave to Holiday Inn.

Area Attractions

Mall of America, Bloomington, MN

<http://www.mallofamerica.com>

Valley Fair Amusement Park, Shakopee, MN

<http://www.valleyfair.com>

The Minnesota Zoo, Apple Valley, MN

<http://www.mnzoo.com>

Science Museum of Minnesota, St. Paul, MN

<http://www.smm.org>

Metro Transit Light-Rail service between the Mall of America and downtown Minneapolis

<http://www.metrotransit.org/rail>

Find more Twin Cities area attractions at:

<http://www.thingstodo.com/states/MN/twincities.html>

National Compost Dairy Barn Conference

June 21 & 22, 2007

Holiday Inn

14201 Nicollet Avenue South
Burnsville, Minnesota



The National Compost Dairy Barn Conference is for those interested in current research and producer experiences with this housing system for dairy cows. The program will also include topics related to compost science and marketing.



College of Food, Agricultural
and Natural Resource Sciences

UNIVERSITY OF MINNESOTA

National Compost Dairy Barn Conference

June 21 & 22, 2007

Compost Barn Tour: June 21

Meet and load buses for the Tour at 8:15 a.m. in the parking lot of the Holiday Inn-Burnsville. Buses will leave promptly at 8:30 a.m.

The tour will take us to three dairy farms:

Dean and Elizabeth Johnson, Storden, MN – The Johnson's have housed cows in their barn since early December 2003. They are currently milking 65 cows. Rolling herd average for the past year is 23,300 lb and SCC is about 160,000. They have two cover-all type barns that are used to house the cows.

Porthaven Dairy: Tom and Mark Portner, Sleepy Eye, MN – Tom and Mark constructed their first barn in October 2001. Since then they have constructed a second barn with cows in the new facility in August 2005. They are currently milking 215 cows. Rolling herd average for the past year is 25,400 lb and SCC is about 225,000.

Mike and Judy Sellner, Sleepy Eye, MN – Mike and Judy have housed cows in their barn since December 2004. They constructed a Winkler hoop barn that features scissor gates and Big Ass Fans®. They are currently milking 84 cows. Daily bulk tank average is 78 lb per cow and SCC for the last 7 months is about 90,000. Mike uses a rototiller behind the tractor to aerate the bedding.

Tour Coordinator: Wayne Schoper, Extension Educator, Brown/Nicollet Counties.

NOTE: The cost of the Tour is an additional \$40 over the cost of the Conference. You must be registered for the Conference to be eligible for the Tour.



Conference Agenda: June 22

Morning Session

7:30 Registration and Continental Breakfast

Moderator: Marcia Endres

8:30 Introduction - *Jeff Reneau*

8:45 Basic Compost Science: What is Happening Down There? - *Tom Halbach*

9:15 Composting Effects on Mastitis Pathogens - *Russ Bey*

9:45 Compost Dairy Barn Layout, Design and Management - *Kevin Janni*

10:15 Refreshment Break

Moderator: Tom Halbach

10:45 Media Evaluation: Test Measures and Results - *Stephanie Widmer*

11:15 Bedding Sources: Forest Products - *Keith Jacobson*

11:30 Bedding Sources: Crop Residues - *Alan Doering*

11:45 Lunch

Afternoon Session

Moderator: Jeff Reneau

12:45 Managing the Compost Dairy Barn: What Producers Have to Say - *Producer Panel with Dan Barka, Andrew Golberg and Tom Portner*

1:45 Cow Performance, Welfare and Behavior in Compost Dairy Barns - *Marcia Endres*

2:15 Refreshment Break

Moderator: Kevin Janni

2:45 Characteristics and Fertilizer Value of Compost Dairy Barn Manure - *Michael Russelle*

3:15 The Financial Realities of Compost Dairy Barns - *Margot Rudstrom*

3:45 Products and Options Beyond the Farm - *Martin Long*

4:15 Final Discussion and Summary

4:45 Adjourn

Conference Speakers

Russ Bey, Professor, Veterinary and Biomedical Sciences, University of Minnesota. Currently, Russ is involved in evaluating the role of bedding materials in mastitis.

Alan Doering, Associate Scientist, Agricultural Utilization Research Institute, Waseca, MN. Alan works with plant and animal byproducts that present environmental and economic opportunities.

Marcia Endres, Assistant Professor, Department of Animal Science, University of Minnesota. Marcia's research focuses on compost dairy barns, and management and behavior of dairy cattle.

Tom Halbach, Extension Professor, Department of Soil, Water, and Climate, University of Minnesota. Tom works in the area of beneficial waste utilization, and has conducted research on composting for 16 years.

Keith Jacobson, Forest Products Utilization and Marketing Program Leader, Minnesota Department of Natural Resources, Division of Forestry.

Kevin Janni, Professor, Department of Bioproducts and Biosystems Engineering, University of Minnesota. Kevin conducts research in the area of livestock housing systems.

Martin Long, President, Minnesota Mulch and Soil, St. Paul, MN.

Jeff Reneau, Professor, Department of Animal Science, University of Minnesota. Jeff's expertise is in the areas of mastitis control, milk quality and safety, and management.

Margot Rudstrom, Regional Extension Educator, University of Minnesota Extension, Morris. Margot's interests include the economics of compost dairy barns.

Michael Russelle, USDA-ARS Scientist and Adjunct Professor, Department of Soil, Water, and Climate, University of Minnesota. Michael's research focuses on improving nitrogen cycling in agriculture, particularly on dairy farms.

Stephanie Widmer, MS Candidate, Department of Soil, Water, and Climate, University of Minnesota. Stephanie is researching feedlot runoff treatment using high carbon material and alternative bedding sources for compost barns.